# CONSTRUCTION NEWS

*Engineering News-Record, May 28, 1925*

## Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

### *Proposed Work*

Water supply, Oakland, Calif., East Bay Utility Dist. made plans for several units of mountain water supply, total $25,000,000.

Y. M. C. A., Detroit, Mich., Y. M. C. A. plans building, $5,500,000.

Waterworks, Youngstown, O., plans new system, $5,000,000.

Road work, Sherman, Tex., Grayson, Tex., plans road work, $4,500,000.

Schools, Cleveland, O., plans new schools, $3,865,000.

Rock jetty, Long Beach, Calif., plans rock jetty at harbor entrance, $3,646,000.

Office, New York, N. Y., A. Heckscher plans office building, $3,000,000.

Schools, Knoxville, Tenn., voted for schools, $2,500,000.

Road work, Uniontown, Pa., Fayette Co. voted $2,500,000 bonds for roads.

Office, Detroit, Mich., Maccabees plan building, $2,500,000.

Cement plant, San Andreas, Calif., Calaveras Cement Co. plan plant, $2,000,000.

Road work, North Carolina, State Hy. Comm. plans road work, $1,832,500.

School, Tulsa, Okla., Catholic Prep. School plans school, $1,500,000.

Schools, Detroit, Mich., Bd. Educ. plans buildings, $1,468,000.

Roads, San Rafael, Calif., Marin Co. plans bonds, $1,250,000.

### *Bids Wanted on Big Jobs*

High school, San Francisco, Calif., Bd. of Pub. Wks., July 1, $2,500,000.

Approaches, etc., Point Bridge (mail Pittsburgh), Pa., Comrs. Allegheny Co., June 3, $2,325,000.

Chapel, Weston, Mass., Scholasticate Society of Jesus taking bids, $1,000,000.

Levee, Edinburg, Tex., Hidalgo Co. after June 1, $1,000,000.

### *Large Contracts Let During Week*

Office, Springfield, Mass., Massachusetts Mutual Life Insurance Co. to Turner Constr. Co. of Boston, $3,000,000.

Dam, Newburg, Ind., U. S. Eng. Office to U. G. I. Constr. Co., $2,359,218.

Office and theater, St. Louis, Mo., Skouras Bros. to Boaz-Kiel Constr. Co., $2,300,000.

Plant, Pontiac, Mich., Wilson Foundry & Machine Co. to Pryale Constr. Co., $1,000,000.

Lodge and hotel, Detroit, Mich., Wayne Lodge, Pythian Castle Assn., to O. Misch Co., $1,000,000.

# PROPOSALS

**For proposals Advertised see the pages immediately following the "Construction News" Section.**

| Bids Close | | See Eng. News-Record |
|---|---|---|
| **WATERWORKS** | | |
| June 1 | Towson, Md. | May 14 |
| | Adv. May 14 to 28. | |
| June 1 | Mt. Pleasant, N. Y. | May 14 |
| | Adv. May 14 to 28. | |
| June 1 | Lawrence, Mass. | May 14 |
| June 1 | Arlington, N. Y. | May 21 |
| June 1 | Phila., Pa. | May 28 |
| June 1 | Green Bay, Wis. | May 28 |
| June 1 | Lawrence, Mass. | May 28 |
| June 1 | Milgrove, N. J. | May 28 |
| June 2 | St. Paul, Minn. | May 28 |
| June 2 | Pierre, S. D. | May 21 |
| June 3 | Burnsville, N. C. | May 28 |
| | Adv. May 28. | |
| June 3 | Carthage, Ill. | May 28 |
| June 4 | Dilley, Tex. | May 28 |
| June 4 | Columbus, Miss. | May 28 |
| June 6 | Jackson, Ky. | May 28 |
| June 8 | Gainesville, Fla. | May 21 |
| June 8 | Okeechobee, Fla. | May 21 |
| | Adv. May 21 and 28. | |
| June 9 | Montclair, N. J. | May 28 |
| | Adv. May 28. | |
| June 11 | Marion, Ky. | May 28 |
| | Adv. May 28. | |
| June 12 | Wewoka, Okla. | May 28 |
| June 15 | Tuscaloosa, Ala. | May 21 |
| | Adv. May 21 and 28. | |
| June 17 | Wiflard, N. Y. | May 28 |
| | Adv. May 28. | |
| June 24 | Greenville, S. C. | May 21 |
| | Adv. May 21 and 28. | |
| **SEWERS** | | |
| May 29 | Boston, Mass. | May 28 |
| June 1 | River Grove, Ill. | Apr. 23 |
| June 1 | Deerfield, Ill. | Apr. 23 |
| June 1 | Little Falls, N. J. | May 14 |
| June 1 | Boston, Mass. | May 28 |
| June 1 | Euclid, O. | May 28 |
| June 1 | West Bend, Wis. | May 28 |
| June 3 | Cleveland, O. | May 28 |
| June 4 | New York, N. Y. | May 28 |
| June 5 | Lackawanna, N. Y. | May 14 |
| June 5 | Gettysburg, Pa. | May 28 |
| | Adv. May 28. | |
| June 8 | Maryland | May 21 |
| | Adv. May 21 and 28. | |
| June 8 | Boston, Mass. | May 28 |
| June 8 | San Fernando, Calif. | May 28 |
| June 9 | St. Louis, Mo. | May 21 |
| June 9 | Mt. Pleasant, N. Y. | May 21 |
| | Adv. May 21 and 28. | |
| June 9 | Montclair, N. J. | May 28 |
| | Adv. May 28. | |
| June 9 | Holdredge, Wis. | May 28 |
| June 10 | Norfolk, Va. | May 28 |
| June 15 | New Castle, Pa. | May 28 |
| | Adv. May 21 and 28. | |
| June 16 | Salisbury, Md. | May 14 |
| | Adv. May 14 to 28. | |
| June 16 | Clewiston, Fla. | May 21 |
| | Adv. May 21 and 28. | |
| June 16 | Wheaton, Ill. | May 28 |
| **WASTE DISPOSAL** | | |
| June 2 | Tampa, Fla. | May 28 |
| **BRIDGES** | | |
| June 1 | New Jersey | May 21 |
| | Adv. May 21 and 28. | |
| June 1 | Hastings, N. Y. | May 21 |
| June 1 | Sarasota, Fla. | May 28 |
| June 2 | Chicago, Ill. | May 28 |
| June 2 | Gadsden, Ala | May 14 |
| June 2 | Gulfport, Miss. | May 21 |
| June 2 | Massachusetts | May 28 |
| June 2 | Maryland | May 28 |
| | Adv. May 28. | |
| June 3 | Minnesota | Apr. 30 |
| June 3 | Point Bridge (mail Pittsburgh, Pa.) | May 28 |
| June 4 | Paris, Tex. | May 28 |
| June 4 | Hugo, Okla. | May 28 |
| June 4 | Columbus, Miss. | May 28 |
| June 5 | Missouri | May 28 |
| June 8 | Gloucester, N. J. | May 28 |
| | Adv. May 28. | |
| June 9 | Washington, D. C. | May 14 |
| June 9 | Chester, Pa. | May 21 |
| | Adv. May 21 and 28. | |
| June 9 | Bastrop, La. | May 28 |
| June 16 | Louisiana | May 28 |
| June 17 | Alabama | May 21 |
| June 30 | Tampa, Fla. | May 28 |
| | Adv. May 28. | |
| **RAILWAYS** | | |
| June 1 | Ontario | May 28 |
| June 2 | Massachusetts | May 28 |
| **EXCAVATION, DRAINAGE IRRIGATION, LEVEES** | | |
| June 1 | Seminole, Okla. | May 28 |
| June 2 | Louisville, Miss. | May 28 |
| June 5 | Saulte Ste. Marie, Mich. | May 21 |
| | Adv. May 21 and 28. | |
| June 6 | Cairo, Ill. | May 28 |
| June 15 | Leesburg, Fla. | May 14 |
| | Adv. May 14 to 28. | |
| **STREETS AND ROADS** | | |
| May 29 | New Hampshire | May 28 |
| May 30 | Regina, Sask. | May 28 |
| June 1 | Ontario | May 21 |
| June 1 | Duluth, Minn. | Mar. 13 |
| June 1 | Lisbon, O. | May 7 |
| June 1 | Welland, Ont. | May 14 |
| June 1 | New Jersey | May 21 |
| | Adv. May 21 and 28. | |
| June 1 | New York | May 21 |
| | Adv. May 21 and 28. | |
| June 1 | Bristol, R. I. | May 28 |
| June 1 | Gardner, Mass. | May 28 |
| | Adv. May 28. | |
| June 1 | Spencer, W. Va. | May 28 |
| June 1 | Huntington, W. Va. | May 28 |
| June 1 | Watertown, Wis. | May 28 |
| June 1 | Port Hope, Ont. | May 28 |
| June 1 | Ontario | May 28 |
| June 2 | Louisiana | May 28 |
| June 2 | Louisiana | May 14 |
| June 2 | Akron, O. | May 21 |
| June 2 | Anderson, Tex. | May 21 |
| June 2 | St. Louis, Mo. | May 21 |
| June 2 | North Dakota | May 21 |
| June 2 | Ft. Scott, Kan. | May 28 |
| June 2 | Minnesota | May 28 |
| June 2 | Elbow Lake, Minn. | May 28 |
| June 2 | Louisiana | May 28 |
| June 2 | Wisconsin | May 28 |
| June 2 | Boston, Mass. | May 28 |
| June 2 | Massachusetts | May 28 |
| June 2 | Fort Scott, Kan. | May 28 |
| June 2 | Maryland | May 28 |
| | Adv. May 28. | |
| June 3 | Ocean Grove, N. J. | May 21 |
| | Adv. May 21 and 28. | |
| June 3 | North Dakota | May 21 |
| June 3 | Alabama | May 21 |
| June 3 | Mendenhall, Miss. | May 28 |
| June 3 | Wisconsin | May 28 |
| June 3 | Baltimore, Md. | May 28 |
| June 4 | Cedar Rapids, Ia. | May 28 |
| June 4 | Marion, O. | May 28 |
| June 4 | Virginia | May 21 |
| June 4 | Highland Park, Ill. | May 28 |
| June 5 | Cameron, Tex. | May 21 |
| June 5 | New York | May 28 |
| | Adv. May 21 and 28. | |
| June 5 | Missouri | May 28 |
| June 5 | Roselle Park (Ind. Br. Elizabeth), N. J. | May 28 |
| | Adv. May 28. | |
| June 8 | Kentucky | May 21 |
| June 8 | New Jersey | May 28 |
| | Adv. May 21 and 28. | |
| June 8 | California | May 28 |
| June 8 | Bucoda, Wash. | May 28 |
| June 8 | Southmont, Pa. | May 28 |
| June 8 | Lambertville, N. J. | May 28 |
| June 8 | San Diego, Calif. | May 28 |
| June 9 | St. Louis, Mo. | May 28 |
| June 9 | Washington | May 28 |
| June 9 | Holdrege, Neb. | May 28 |
| June 9 | Seattle, Wash. | May 28 |
| June 9 | North Carolina | May 28 |
| | Adv. May 28. | |
| June 10 | Duluth, Minn. | Apr. 9 |
| June 10 | Corning, Calif. | May 28 |
| June 14 | Moundsville, W. Va. | May 28 |
| June 15 | Anderson, Ind. | May 28 |
| June 15 | Crestview, Fla. | May 28 |
| June 15 | Minneapolis, Minn. | May 28 |
| June 17 | Phila., Pa. | May 21 |
| | Adv. May 21 and 28. | |
| June 19 | Farmington, Mo. | May 28 |
| | Adv. May 28. | |

| Bids Close | | See Eng. News-Record |
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## BUILDINGS—INDUSTRIAL

| | | |
|---|---|---|
| June 1 | Duluth, Minn. | May 21 |
| June 1 | Fayetteville, Ga. | May 28 |
| June 10 | Superior, Wis. | May 21 |

## BUILDINGS—COMMERCIAL

| | | |
|---|---|---|
| June 1 | East Boston (Boston P. O.), Mass. | May 21 |
| June 1 | Shreveport, La. | May 28 |
| June 2 | Dover, Del. | May 28 |
| June 2 | Walters, Okla. | Apr. 23 |
| June 3 | Miller, S. D. | May 14 |
| June 3 | Central Islip, N. Y. | May 14 |
| June 4 | Wash., D. C. | May 28 |
| June 8 | Erie, Pa. | May 28 |
| June 10 | Merrill, Wis. | May 28 |
| June 16 | Newkirk, Okla. | May 28 |
| June 17 | Marcy, N. Y. Adv. May 28. | May 28 |
| July 14 | Phila., Pa. | Feb. 19 |
| July 15 | Brooklyn, N. Y. | May 21 |

## BUILDINGS—EDUCATIONAL, RELIGIOUS

| | | |
|---|---|---|
| May 29 | Wash., D. C. | May 14 |
| June 1 | Harrisburg, Pa. | May 14 |
| June 1 | Cleveland, O. | May 21 |
| June 2 | Dayton, O. | May 14 |
| June 2 | Waukegan, Ill. | May 28 |
| June 3 | Baltimore, Md. | May 28 |
| June 4 | Jamaica, N. Y. | May 28 |
| June 5 | Bridgewater, Mass. | May 28 |
| June 7 | Worcester, Mass. | May 28 |
| June 10 | Evanston, Ill. | Apr. 23 |
| June 10 | Burlington, Vt. | May 28 |
| July 1 | San Francisco, Calif. | May 28 |

## FEDERAL GOVERNMENT WORK

| | | |
|---|---|---|
| June 1 | Earthwork — Memphis, Tenn. | May 28 |
| June 2 | Steel, etc.—Wash., D. C. | May 28 |
| June 3 | Paving—Mare Island, Calif. | May 28 |
| June 4 | Post Office—Hinton, W. Va. | May 14 |
| June 8 | Boilers — Portsmouth, N. H. | May 14 |
| June 8 | Post Office—Ellsworth, Me. | May 14 |
| June 9 | Alterations—Minneapolis, Minn. | May 28 |
| June 10 | Boilers—Burlington, Vt. | May 14 |
| June 10 | Buildings, etc.—San Diego, Calif. | May 14 |
| June 10 | Remodeling—Pittsburgh, Pa. | May 21 |
| June 10 | Road—Point St. George, Calif. | May 28 |
| June 11 | Post Office — Vineland, N. J. Adv. May 21 and 28. | May 21 |
| June 11 | Breakwaters—Ohio Adv. May 21 and 28. | May 21 |
| June 13 | Stone—San Francisco, Calif. | May 28 |
| June 15 | Barge—Montgomery, Ala. Adv. May 21 and 28. | May 21 |
| June 15 | Road—Colorado | May 21 |
| June 15 | Road—Montana | May 28 |
| June 16 | Heating Plant—Mobile, Ala. | May 21 |
| June 16 | Electric Light Plant—Brunswick, Ga. | May 21 |
| June 16 | Fire Alarm System—Whipple Barracks, Ariz. | May 21 |
| June 16 | Cable, etc.—Whipple Barracks, Ariz. | May 21 |
| June 16 | Structures—Powell, Wyo. | May 28 |
| June 17 | Hospital and Quarters—New Orleans, La. Adv. May 28. | May 28 |
| June 17 | Heating System—New Orleans, La. | May 21 |
| June 18 | Incinerator—New Orleans, La. | May 21 |
| June 18 | Pier—Rosebank, N. Y. Adv. May 28. | May 28 |
| June 19 | Remodeling—Norwich, Conn. | May 21 |
| June 22 | Post Office—Missoula, Mont. | May 28 |
| June 22 | Post Office—Holly Springs, Miss. | May 28 |
| June 23 | Sewers—Baltimore, Md. | May 28 |
| June 23 | Quarters—Memphis, Tenn. | May 28 |
| June 24 | Post Office—Patterson, N. J. Adv. May 28. | May 28 |
| June 25 | Post Office—New London, Conn. Adv. May 28. | May 28 |
| June 25 | Post Office—St. Petersburg, Fla. | May 28 |
| July 7 | Bridges, Florence, Ala. Adv. May 21 and 28. | May 28 |
| July 29 | Hospital—Canacao, P. I. | May 21 |

## UNCLASSIFIED

| | | |
|---|---|---|
| May 29 | Inspection Shed—Long Island City, N. Y. | May 21 |
| June 4 | Underground cable—Brooklyn, N. Y. | May 28 |
| June 4 | Cable—New York, N. Y. | May 28 |
| June 4 | Pier—Brooklyn, N. Y. | May 28 |
| June 5 | Transmission Line —Oklahoma | May 28 |
| June 5 | Special Work—New York. | May 28 |
| June 8 | Core Borings—New Jersey. Adv. May 21 and 28. | May 28 |
| June 9 | Underpass—Ocala, Fla. | May 28 |
| June 9 | Wharf Repairs—Baie St. Paul, Que. | May 28 |
| June 9 | Stadium—West Allis, Wis. | May 28 |
| June 9 | Dock Repairs—Kincardine, Ont. | May 28 |
| June 9 | Dock—Baton Rouge, La. | May 28 |
| June 10 | Station Finish—Long Island City, N. Y. | May 28 |
| June 11 | Dock, etc.—Baton Rouge, La. | May 21 |
| June 16 | Electrical and Refrigerating Equipment — New York, N. Y. | May 21 |
| June 17 | Heating System—Geneva, N. Y. Adv. May 21 and 28. | May 21 |

## MATERIALS

| | | |
|---|---|---|
| June 2 | Sand, etc.—Minneapolis, Minn. | May 28 |
| June 3 | Iron Pipe—Steelton, Pa. Adv. May 28. | May 28 |

**Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.**

# Waterworks

### PROPOSED WORK

**Ga., Macon** — Soon takes bids steel and concrete reservoir. Fuller & McClintock, 170 Bway., New York City, engrs.

**Tenn., Algood** — Plans election $35,000 bonds for new waterworks. W. J. Swallows, Algood, engr.

**Tenn., Clinton**—Plans new waterworks. $50,000. Engineer not selected.

**O., Columbus**—See "Streets and Roads."

**O., Youngstown**—Plans new waterworks to be developed from source other than Mahoning River. $5,000,000. Engineer not selected.

**Ill., Kewanee**—See "Streets and Roads."

**Neb., Greenwood**—Election May 26, $24,000 bonds, waterworks and distribution system. Grant, Fulton & Letton, 525 South 13th St., Lincoln, engrs. Noted Mar. 12.

**Tex., Big Springs** — Making preliminary plans waterworks extensions, incl. additional mains, pumping equipment, etc. Montgomery & Ward, Wichita Falls, engrs. Noted May 7.

**Tex., Houston** — Voted $750,000 bonds, waterworks improvements. J. C. McVey, city engr.

**Tex., Laredo**—Texas Central Power Co., Laredo, purchased Laredo Waterworks System and Consumers Ice & Fuel Company's plans and plans new waterworks, power house, pumping equipment, etc. $60,000. Private plans.

**Tex., Nordheim**—Plans waterworks improvements, incl. mains, pumping equipment, etc. $30,000 or more. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs. Noted Apr. 2.

**Tex., Victoria**—Voted $90,000 bonds, for waterworks and electric light plant. S. S. Sitterle, city atty. Noted Apr. 16.

**Okla., Comanche** — Making preliminary plans new well supply motor driven pumps and additional storage facilities for water plant. $30,000. Engineer not selected.

**Okla., Healdton** — Making preliminary plans 2 new deep wells, 800 lin.ft. 6 in. c.i. mains, etc. $20,000. C. Coon, 1520 North Bway., Oklahoma City, engr.

**Okla., Okeene** — Making surveys motor driven triplex pump, 6,900 ft. 4- to 8-in. c.i. mains, etc., in various streets. $18,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engr.

**Wash., Centralia** — City Comn. making plans new reservoir, rebuilding parts of gravity pipe line, and improving distribution system. $100,000. N. W. Anery, city engr. Noted Apr. 2.

**Wash., Snohomish**—Making plans 1 m.g. reservoir and improving present waterworks. Miller Eng. Co., Burke Bldg., Seattle, engrs.

**Calif., Cutler**—Cutler Public Utility Dist., making plans domestic water system, 19,000 ft. trench; 8, 6, 4, and 2, and ¾ in. pipe line; wells, pumping equipment, elevated or pressure tank, etc. Switzer & Moye, Visalia, engrs. Noted Dec. 4.

**Calif., Needles** — Voted $108,000 bonds, purchase and improve present waterworks system. Burns-McDonell-Smith Eng. Co., Marsh-Strong Bldg., Los Angeles, engrs.

**Calif., Oakland**—East Bay Utility Dist. made plans following units of mountain water supply, for East Bay Cities, Mokelumne River Project: aqueduct from San Joaquin River to San Pablo Reservoir, 88 mi., 60 to 63 in. steel pipe line, 4 mi. tunnels, 8½ ft. diam. horseshoe shape $8,500,000; Lancha Plana Reservoir, on Mokelumne River, 525 ft. high, 1,000 ft. long on top, to have long weir spillway, with elaborate outlet works, etc., to impound 200,000 ac.ft. to supply 50 m.g. water daily capacity, incl. 400,000 cu.yds. concrete; Arroyo Seco Reservoir, long low earth type, on Dry Creek, about 85 ft. high, 1,000,000 cu.yds. earth fill with rock crushed or concrete face, 10 mi. concrete pressure pipe 60- to 72-in. diam., pumping plant with 200 to 300 ft. lift near Pittsburgh; and 4 mi. railroad from Valley Springs to Lancha Plana Dam, total $25,000,000. A. P. Davis, 505 17th St., engr. Noted Nov. 13.

**Ont., Hamilton**—Plans addition to pumping station. $250,000. W. McFaul, city engr.

**B. C., New Westminister**—Plans 15 mi. 14 in. steel mains from Coquitlam Lake to city, to reorganize water system. $750,000.

### BIDS DESIRED

**Mass., West Springfield**—Water Dept., Town Hall, taking bids ditching, laying and backfilling about 12,000 ft. 10 in. Universal water pipe through river, Norman and Bridge Sts.

**N. Y., Millgrove**—June 1, by T. H. McElven, purch. agt., 263 Terrace, Buffalo, 2 steel water towers, at County Home, here. $35,000.

**N. Y., Willard**—June 17, by State Hospital Comn., Albany, water supply for fire protection at Willard State Hospital. S. W. Jones, Albany, state archt.; adv. E. N.-R. May 28.

**N. J., Montclair**—June 9, by Bd. Comrs. Municipal Bldg., Bloomfield Ave. and Valley Rd., emergency pumping station, force main, etc., in Willowdale Ave., etc. Metcalf & Eddy, 14 Beacon St., Boston, Mass., engrs.; adv. E. N.-R. May 28.

**Pa., Phila.**—June 1, by Dept. Pub. Wks., Bureau Water, Power equipment for Queens Lane Extension, Contr. 739, railroad siding, Contr. 758; and parts for low pressure fire hydrants, Contr. 759; copper, tin and zinc ingots, Contr. 760. G. H. Biles, dir.

**N. C., Burnsville** — June 3, by M. A. Bailey, mayor, and Bd. Alderman, at office J. P. Lyon, town clk. and treas., 6 mi. 6 in. and 4 mi. 8 in. c.i. mains, 500,000 gal. filtration plant, etc. W. H. Booker, Charlotte, engr.; adv. E. N.-R. May 28.

**Ga., Fayetteville**—See "Buildings—Industrial."

**Miss., Columbus**—June 4, by City Clerk, 25,600 ft. c.i. pipe, 320,000 gal. concrete coagulation basin, 200,000 gal. tank on tower also 8,800 ft. sanitary sewers in various streets. R. L. Totten, Inc., 1414 North 30th St., Birmingham, Ala., engr.

**Ky., Jackson**—June 6, by Jackson Water Co., 27,500 ft. 6- to 10-in. mains, valves, hydrants, etc. A. B. Hargis, Jellico, Tenn., engr.

**Ky., Marion**—June 11, by Mayor and Bd. Pub. Wks., waterworks improvements. H. K. Bell, 418 Hernando Bldg., Lexington, engr.; adv. E. N.-R. May 28.

**Ill., Carthage** — June 3, by City Clerk, earth dam with concrete spillway, concrete coagulation basin, clear well, brick filter building, pumps and piping, 5,510 ft. 8 in. force mains, 80,000 gal. tank on tower, pumping equipment, etc. $132,000. Caldwell Eng. Co., Jacksonville, engrs. Noted Feb. 5.

**Wis., Green Bay**—June 1, by J. Du Charne, c/o Hotel Northland, clk. Allouez Twp., 50 hydrants, eleven 8 in., eleven 10 in. and forty-eight 6 in. valves and 70 valve boxes for use in connection with new water system. McMahon & Clark Eng. Co., Menasha, engrs.

**Wis., Wisconsin Rapids**—C. P. Gross, mgr. Water & Electric Dept., taking bids two 6 in., four 12 in. and two 14 in. hydraulic valves for iron removal plant. W. G. Kirchoffer, 22 North Carroll St., Madison, engr.

**Minn., St. Paul**—June 2, by G. J. Ries, aud. Ramsey Co., sinking 3 or 4 tubular wells at Bald Eagle, White Bear and Owassa Lakes. $15,000. P. N. Coates, 900 Guardian Life Bldg., engr.

**Tex., Dilley**—June 4, by Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, waterworks system, incl. distribution system, 50,000 gal. capacity elevated tank, pumping equipment, etc. $30,000. Noted May 14.

**Tex., Killeen**—Municipal Eng. Co., engrs., Praetorian Bldg., Dallas, taking bids drilling, casing and completing 8 in. well, 800 ft. deep, for City. $12,000. Noted Mar. 5.

Waterworks (Continued)

**Okla., Wewoka**—June 12 (extended date), by D. R. Fraser, city clk., City Hall, 14,700 ft. 6 in. and 11,700 ft. 4 in. c.i. mains, also 32,900 ft. 8- to 15-in. vitr. clay and 168 ft. c.i. sewers, etc., in various streets. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Apr. 30.

**Ont., Toronto**—See "Sewers."

### BIDS RECEIVED

**N. Y., Brooklyn** — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, May 22, mains in 9th and Hegeman Aves., Avenue I, 53rd and East 93rd Sts., from N. DeStefano, 257 Glenn Ave., Tompkinsville, and L. Bignalo, $78,813. Noted May 14.

**N. Y., Long Island City**—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, May 20, mains in Queens Blvd., here, from Paladino Contg. Co., 437 East 120th St., New York City, $116,729. Noted May 14.

**N. Y., Long Island City** — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, May 19, from J. A. Gregory, 351 East 124th St., New York City, mains in East Willston, 83rd, 86th and 91st Aves., 246th, 247th, 257th, 258th, 259th, 260th, 261st, 262nd and 263rd Sts. $48,393, Constantia, Columbia, Luther and Pettit Places, 43rd and 76th Rds., Moore, Meade, 87th, 148th, 155th, 160th, 161st, 162nd and 164th Sts., Fosdick, Lafayette, Metropolitan, Mt. Olivet, 58th, 32nd, 33rd, 59th and 77th Aves. $11,275. Noted May 14.

**Mo., Independence**—Independence Water Co., 206 North Liberty St., 2 m.g. reservoir and feeder mains to connect with Kansas City water supply, from C. L. Johnson, Warrensburg, $42,994.

**Wash., Seattle**—Bd. Pub. Wks., 9,555 ft. 8- and 12-in. c.i. mains, etc., in 46th Ave. S. W., from V. Ramagalia, 4516 1st St. N. E., $25,855. Engrs. est. $29,070.

### CONTRACTS AWARDED

**Mass., Reading** — Bd. Selectmen, storm watermain from John to Main Sts., to A. Cefalo, 316 Belgrade Ave., Rosindale. Engrs. est. $15,000. Noted Mar. 5.

**Pa., Red Lion**—Red Lion Water Co., concrete standpipe, 4 mi. c.i. force mains, storage dam and reservoir, also pumping station and filter plant, to Gannett, Seeyle & Fleming Engrs. Inc., North Market Sq., Harrisburg, $250,000.

**La., Bossier City**—Town Council, waterworks and sewers in various streets, to Jones Contg. Co., Shreveport, $137,841. Noted Apr. 30.

**La., Donaldsonville**—Bd. City Comrs., filtration plant, to J. C. McCrary, Atlanta, Ga., $54,498; erecting 75,000 gal. tower tank, to R. D. Cole Mfg. Co., Newman, Ga., $4,675. Noted, Apr. 30.

**O., Columbus**—Franklin Co., 12,400 ft. 6-8-in. mains in Sewer Dist. Truro 1, Contr. 5, to B. Canini, 1705 Shawnee Ave., $21,389.

**Wis., Wisconsin Rapids** — C. P. Cross, city mgr., 61 x 71 ft., brick and rein.-con. iron removal plant, filters, etc., to Schafer & Olson, 222 Bay St., Chippewa Falls, $22,-000. Noted Apr. 23.

**Mo., Ash Grove**—F. D. Connor, city clk., deep well, to Sewell Well Co., 901 Howard St., St. Louis; pipe line, etc., to W. F. Plummer, R. F. D. 6, Melville Rd., Springfield; tank on tower, to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, Ill. Engrs. est. $50,000. Noted Feb. 19.

**B. C., Vancouver**—City Clerk, City Hall, 14 mi. 36 in. riveted steel water mains to Vancouver Eng. Wks., 6th Ave. and Cambie St., $500,324. Noted May 21.

## Sewers

### PROPOSED WORK

**Mass., Boston**—Plans sewerage works in Cambridge and Court Sts. $109,276. J. A. Rourke, comr. Pub. Wks.

**Mass., Cambridge** — City Council appropriated $30,000 for separate system of sewers for surface water in various streets. Private plans.

**Fla., Cocoa** — Voted $25,000 bonds, for water and sewer mains in various streets. H. G. Brunson, city clk.

**Ala., Montgomery** — Plans 4 ft. storm sewers in Bellview Ave. $25,000. J. W. Garrett, city engr.

**Tenn., Cookeville** — Plans 5 mi. outfall and sanitary sewers in all streets. $35,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

**Ky., Fulton** — Making preliminary plans disposal plant 9 mi. outfall sewers in various streets, etc. $100,000. Engineer not selected.

**O., Columbus**—See "Streets and Roads."

**Ill., Mt. Olive**—Revising plans system of combined sewers in eastern part of city. $90,000. Holbrook, Warren & Van Praag, 416 Millikin Bldg., Decatur, engrs.

**Wis., Cudahy**—C. H. Wolbert, city clk., soon takes bids probably vitr. outfall sewer in Van Norman Ave. $40,000. R. A. Steinbagen, 845 38th St., Milwaukee, engr. Noted Jan. 29.

**Ia., Ft. Dodge**—Making preliminary plans sewage disposal plant, etc. $250,000. C. E. Reynolds, City Hall, engr.

**Mo., Concordia**—Election June 1, $500,-000 bonds sanitary sewerage system. E. T. Archer & Co., 612 New England Bldg., Kansas City, engrs. Noted Apr. 2.

**Mo., St. Louis**—Making preliminary plans Camp Springs tunnel relief sewer to connect with Mill Creek sewer, $550,000; 2nd section of North Baden Relief sewer, $200,-000; and branch and lateral sewers of Ohio-Montrose main sewers, $100,000. W. W. Horner, City Hall, engr.

**Ark., Blytheville** — Making preliminary plans 2 mi. sanitary sewers in Dist. 4. $30,-000. A. S. Madding, Bertig Bldg., engr.

**Tex., Rockwell** — Voted $37,500 bonds, sewerage system. Municipal Eng. Co., 602 Praetorian Bldg., Dallas, engrs.

**Okla., Okeene**—Plans 6 mi. outfall sewers and disposal plant. 45,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

**Okla., Tulsa**—Plans extending 20,000 ft. 8- to 15-in. concrete sewers, etc., in Dists. 221 and 222. $277,000. C. Schultz, City Hall, Tulsa, engr.

**Okla., Wilson**—Voted $26,000 bonds, new sewage disposal plant. H. T. Brown, Wilson, engr.

**Wash., Kelso** — Election soon $50,000 bonds 3 treating plant for sewage; and plans new sewerage system with trunks and laterals, etc., $95,000 to $100,000.

**Calif., Berkeley**—Defeated $140,000 bonds for storm sewers in various streets. Noted Apr. 9.

**Calif., El Segundo**—Voted $375,000 bonds, sewers in various streets. R. T. Hutchins, city engr.

**Calif., Petaluma** — Defeated $200,000 bonds for sewer improvements. Noted Apr. 23.

**Calif., San Pablo** — San Pablo Sanitary Dist., made plans 3 mi. 6 in. vitr. sewers, etc., various streets. R. L. Calfee, 221 South 22nd St., Richmond.

### BIDS DESIRED

**Mass., Boston** — May 29, by Dept. Pub. Wks., sewerage works in River St., Hyde Park, and Western Ave., Brighton. $25,-000. J. A. Rourke, Comr.

**N. Y., New York**—June 4, by H. Bruckner, pres. Bronx Boro. 3rd and Tremont Aves., sewers in Pelham Parkway, Hull, Wallace, Holland, Popham, Edison, Burr and Westchester Aves.

**N. J., Montclair**—June 9, by Bd. Comrs., Municipal Bldg., Bloomfield Ave. and Valley Rd., 2 motor driven, centrifugal sewage pumping units in Willowdale Ave. Metcalf & Eddy, 14 Beacon St., Boston, Mass., engrs.; adv. E. N.-R. May 28.

**Pa., Gettysburg** — June 5, by Boro, at Boro Council Chamber, East Middle St., Fire House, outfall sewer and sewage treatment plant, etc. Banks & Craig, State Chamber of Commerce Bldg., Harrisburg, engrs.; adv. E. N.-R. May 28.

**Pa., New Castle**—June 15, by C. Zeigler, city clk., City Bldg., sewage disposal treatment works, Taylor Twp., Lawrence Co. F. F. Miller, city engr.; adv. E. N.-R. May 28.

**Va., Norfolk**—June 10, at office of W. H. Taylor, dir. Pub. Wks., Municipal Bldg., terra cotta, sewers, etc., in Ballentine Pl., Fairmount and Douglas Parks; adv. E. N.-R. May 28.

**O., Cleveland**—June 3, by City, sewers in East 24th Pl., Brazil Rd. N. E., Lakeport Rd. N. E., Neff Rd. N. E., Maywood Ave., Williams Ave. S. E., East 71st, 114th, 142nd, 140th and 149th Sts. To exceed $100,000. R. Hoffman, City Hall, engr.

**O., Euclid**—June 1, by City, sanitary sewer in Dille Rd. from Euclid to St. Clair Aves. To exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

**Ill., Wheaton**—June 16, by Wheaton Sanitary Dist., sewage disposal plant, etc. A. L. Webster, Wheaton, ch. engr. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, consult. engrs.; adv. E. N.-R. May 28.

**Wis., West Bend**—June 1, by C. P. Heipp, secy. Bd. Pub. Wks., 650 ft. 42 in. concrete tile, 2,000 ft. 12 in. and 100 ft. 8-in. and 100 ft. 10 in. vitr. sewer pipe.

**Neb., Holdrege**—June 9, by I. Anderson, city clk., City Hall, 3,480 ft. 24 to 36 in. vitr. sewers, etc., in various streets. $25,000. Black & Veatch, Mutual Bldg., Kansas City, engrs.

**Tex., Crowell**—Devlin Eng. Co., engrs., 614 Bitting Bldg., Wichita, Kan., and Amarilla, Tex., taking bids sewerage system, here for city. $50,000. Noted Feb. 26.

**Okla., Wewoka**—See "Waterworks."

**Calif., La Habra**—June 2, by Directors La Habra Sanitary Dist., 25,630 ft., 10- to 15-in. concrete and vitr. outfall sewers, etc., in various streets. W. G. Knox, Ramona Bldg., Santa Ana, engr.

**Calif., San Fernando**—June 8, by City Trustees, 7,051 ft. 8- to 21-in. main intercepting sewer. Black & Veatch, Ferguson Bldg., Los Angeles, engr.

**Ont., Toronto**—June 1, by F. B. Goedike, engr. York Twp., 7,500 ft. 8-in. vitr. tile lateral sewers in Nairn, Earlscourt, Arlington, Boon, Teignmouth, Bloem, Blackthorne, Clovelly, Strader and Belvidere Aves., Bude St., Eversfield and Hatherly Rds., $30,000; 8,000 ft. 6-in. c.i. mains in Guy and Bude Sts., Yule, Birch, Luke, Wills and Sutherland Aves., $25,000.

### BIDS RECEIVED

**N. Y., Brooklyn** — J. A. Guider, boro pres., Boro Hall, May 20 **(e. e. means engineer's estimate)**, sewers in Clarkson Ave., from Manmill Constr. Co., 2035 Douglass St., 68.67% e. e. $70,186, East 5th St., from A. W. Matarazzo, 1163 61st St., 76.99% e. e. $8,846; East 29th St., from S. Ambrosio, 1016 60th St., 83.5% e. e. $5,306.

**Wis., Milwaukee** — J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., May 12, Arnauld Ave. low level sewer, 5,733 ft. 12- to 21-in. terra cotta pipe, etc., from Mierswa Contr. Co., 1619 Oregon St., Oshkosh, $58,874. Noted May 7.

**Colo., Denver**—Dept. Impvts. & Parks, 8- to 12-in. vitr. sewer in South Side Special Sanitary Sewer 8, from R. Findlay, 801 Interstate Trust Bldg., $40,325. Engrs. est. $50,000. Noted Apr. 2.

### CONTRACTS AWARDED

**N. Y., New York** — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers, etc., in Cornell Ave., to C. W. McDonald, 1910 Webster Ave., $538,166; in East 242nd St., to Spadaro & Turiano, 3185 East Tremont Ave., $4,718. Noted May 21.

**Pa., Pittsburgh**—City, 1,900 ft. 42 in. and 3,912 ft. 39 in. rein.-con. sewer in city line south of Edgebrook Ave. to Pier Property point 400 ft. north of West Liberty Ave. (Saw Mill Run Basin), Contr. 5, to M. Manella, 5140 Breedshill Ave., $670,045. Engrs. est. $85,000. Noted Apr. 23.

**Md., Baltimore** — Bd. Awards, storm sewers in Dist. J-8, to F. Angelozzi, 238 Albemarle St., $196,295. Noted May 21.

**La., Bossier City**—See "Waterworks."

**O., Cleveland**—City, 1,100 ft. 12 in vitr. tile sewer in Columbine Ave., to Sprague & Burkhardt, 11812 Browning Ave., $3,237; 840 ft. 12 in. vitr tile sewer in Kuhlman Ave., to Iafornaro & Son, 2218 Murrey Hill Rd., $3,275, 1,100 ft. 12 in. vitr. tile sewer in West 150th St., and 830 ft. 12 in. vitr. tile sewer in Warren St., also 440 ft. 2 ft. 6 in. concrete sewer in Rosemary St., to Hadded & Kartel Constr. Co., Huron-Sixth Bldg., $3,960 and $13,018 respectively; 1,010 ft. 12- to 24-in. vitr. tile sewer in West 151st St., to E. P. Langahan, Marshall Bldg., $4,155. Noted Apr. 23.

**O., Cleveland** — Cuyahoga Co., sewage plant, imhoff tanks sand filters and sludge beds east of Bonnyview Rd., Impvt. 302, Sect. B, to Lane & Freeman, 5713 Euclid Ave., $44,235; 1,500 ft. 12- and 48 in. tile brick and sewer in S.O.M. Center Rd., Impvt. 301, Sect. A, to Iafornaro & Son, 2258 Murrey Hill Rd., $54,476.

**O., Cleveland Heights** (Warrensville P. O.) Vitr. clay sewers and c.i. watermains in 4 streets, to Iafornaro & Son, 2280 Murray Hill Rd., Cleveland, $65,798. Noted Apr. 23.

**Wis., Madison**—W. Winckler, city clk., storm sewers in University Ave., to N. Quinn, 515 West Johnson St., $78,800. Engrs. est. $78,000.

**Wis., Milwaukee** — J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., Menomonee Valley sewer extension, approximately 1.5 mi. 18 and 24 in. terra cotta pipe, to Wenzel & Henoch Co., 498 27th St., $124,877. Noted Apr. 23.

**Minn., St. Paul** — H. W. Austin, city purch. agt., constructing Belt Line Outfall Sewer, Contr. G, 3,808 ft. 9 ft. and 1,580 ft. 24 ft. circular sewer, etc., to O'Neil & Preston, 608 Exch. Bank Bldg., $242,000.

Sewers (Continued)

**Mo., Clayton** — Eight Thousand Realty Co., 1101 Locust St., St. Louis, 6- to 51-in. vitr. and rein.-con. storm and sanitary sewers, etc., in Davis Pl. Subdivision North, South and Clayton Rds., to Myers Constr. Co., Merchants Laclede Bldg., St. Louis. Engrs. est. approximately $60,000. Noted Jan. 22 under "Streets and Roads."

**Tex., Dallas** — M. G. James, city secy., sewage pumping plant, A-type, Contr. 1, to Klein Bros., 822 North Walton St., $34,691, engrs. est. $35,000; sewage pumping plant, B-type, Contr. 2, to Janes Contg. Co., Southwest Life Bldg., $40,966, engrs. est. $45,000. Noted May 14.

**Tex., Houston**—Storm sewers in Welch St., from Commonwealth Ave. to McDuffie St., to C. K. Horton, 2202 Clay St., $27,838.

**Calif., Palo Alto**—City Council, 19,347 ft. 12- to 27-in. concrete sewer in Oregon and Seale Aves., also 20,000 ft. 6- and 8 in. vitr. sewers in South Palo Alto Dist., to Oakland Sewer Constr. Co., 385 15th St., Oakland $31,356 and $23,123 respectively.

**Calif., Placentia** — Placentia Sanitary Dist., 19,735 ft. 6- to 10-in. sewers, etc. in various streets, to H. R. Erdman, 141 West Main St., Alhambra, $26,436. Noted May 21.

**Ont., Ford City** — Sewers in various streets, to Chick Contg. Co., McDougall Ave., Windsor, $140,000; outlet sewer, to Merlo, Merlo & Ray, Ford City, $48,000.

## Waste Disposal

### PROPOSED WORK

**Wis., Prairie du Chien** — F. Ansome, officer Dept. Health, plans garbage disposal plant and incinerator, brick and steel, Buck St. Engineer not selected.

**Calif., Oakland** — Tentative plans submitted for incinerator, 400 tons daily capacity, $325,000; alternate plans for plant attached to steam generating plant to cut cost of operation, costing approximately $425,000. W. W. Harmon, city engr.

### BIDS DESIRED

**Fla., Tampa**—June 2, by City Comrs., incinerator on Maryland Ave. $60,000. R. D. Martin, City Hall, engr.

## Bridges

### PROPOSED WORK

**Mass., Boston** — Dept. Pub. Wks. plans bridge over tracks of New Haven & Hartford R.R., on Massachusetts Ave. between Huntington and Columbus Aves. $100,000. J. A. Rourke, comr.

**Pennsylvania**—Pennsylvania R.R., Broad St. Sta., Phila., plans 120 ft. rein.-con. bridge and viaduct on William Penn highway at Mann's Narrows, Mifflin Co., west of Yeagertown, to take place of bridge that collapsed. $88,371. Pennsylvania R.R. Co. appropriated $53,371, State Hy. Dept., Harrisburg $18,000, Lewistown & Reedsville Trolley Co. $2,500, Mifflin Co. (Lewiston) $12,500, and Derry and Brown Twps. $2,000 toward cost.

**Tex., Alpine**—See "Streets and Roads."

**Tex., Houston**—Voted $1,100,000 bonds for bridges. J. C. McVey, city engr. Noted Mar. 5.

**Tex., Waco**—City, c/o E. E. McAdams, mgr., making plans two 25 x 30 ft., rein.-con. extensions to bridge on Washington Ave. between 25th and 26th Sts. $25,000. V. G. Kock, Waco, engr.

**Oklahoma**—See "Streets and Roads."

**Calif., Los Angeles**—City and Los Angeles Co. plan 2 structures over the Los Angeles River, one to replace Glendale Bridge, and one at Hyperion St. To exceed $950,000.

### BIDS DESIRED

**N. J., Gloucester**—June 8, by Bd. Freeholders Camden Co., Court House, Camden, 3 span concrete arch bridge over Newton Creek, at Champion Rd., here. J. J. Albertson, co. engr.; adv. E. N.-R. May 28.

**Pa., Point Bridge** (mail Pittsburgh)—June 3, by Comrs. Allegheny Co., Court House, Pittsburgh, approaches and masonry work on bridge over Monongahela River, here. $2,325,000. Dept. Pub. Wks., City County Bldg., Pittsburgh, engrs.

**Maryland**—June 2, by State Rds. Comn., Baltimore, rein.-con. arch bridge over Licking Creek, on Natl. Pike, Contr. W-36, Washington Co. J. N. Mackall, chn.; adv. E. N.-R. May 28.

**Fla., Tampa**—June 30 by City Comn., at office City Clerk, City Hall, 794 ft. rein.-con., viaduct 80 ft. over tracks and yard of Seaboard Air Line R.R. Co., on Lafayette St. N. S. Sprague, 1011 Bessemer Bldg., Pittsburgh, Pa., consult. engr.; adv. E. N.-R. May 28.

**Miss., Columbus**—June 4, by Bd. Supervs. Lowndes Co. at office of Chauncery Clerk, one creosoted timber spring span and two 90 ft. steel span bridge over Tombigbee River, here, 36,100 ft. creosoted timber 2,300 ft. untreated timber, 183,100 lb. reinforcing, etc., H. C. Dietzer, Jackson, engr. Noted Sept. 4.

**Louisiana**—June 16, by State Hy. Dept., Reymond Bldg., Baton Rouge, constructing Tchefuncta River Bridge, State Aid Project 443, Sect. B, on Amite-Franklinton Highway between Tangipohoa and Washington Parishes.

**La., Bastrop**—June 9, by Police Jury Morehouse Parish, bridges over Bayou Bartholomew, Project 7B, Wards Ferry, and at Vester Ferry, Project 17B.

**Ill., Chicago** — June 2, by South Park Comrs., 57th St. and Cottage Grove Ave., foundation and structural steel for viaduct over tracks of Illinois Central Railroad, at Oakwood Ave. E. J. Whitty, secy.

**Missouri**—June 9, by State Hy. Dept., Jefferson City, three 14 ft. I-beam spans over D. D. 22; three 16 ft. I-beam spans over D. D. 24, and three 20-ft. I-beam spans each over D. D. 3 and D. D. 7, all in Pemiscot Co. B. H. Piepmeier, highway engr.

**Texas and Oklahoma**—June 4, by Clerk and W. D. Lawrence, judg. Lamar Co. (Paris), Tex., constructing 1 new steel span, recovering and salvaging 2 steel spans and repairing bridge over Red River, near Arthur City, 12,800 lb. reinforcing 126,400 ft. creosoted timber, etc., for Lamar Co. (Paris), Tex. and Choctaw Co. (Hugo), Okla. J. M. Page, Capitol, Oklahoma City, Okla., engr.

**Okla., Hugo**—June 4, by Clerk Choctaw Co. (Hugo) and Clerk Lamar Co., Paris, Tex., 6 span 1,300 ft. steel truss bridge over Red River from here to Paris, Tex., 12,800 lb. reinforcing, 374,000 lb. salvaged structural steel, 235,000 lb. new structural steel, etc. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

**California** — Supervs. Sutter Co. (Yuba City), taking bids 585 ft. steel and timber bridge over Bear River, for Sutter Co. (Yuba City) and Yuba Co. (Marysville). $42,000. W. Shearer, Yuba City, surv. Sutter Co. J. R. Meek, Marysville, surv. Yuba Co. Noted Feb. 12.

### BIDS RECEIVED

**Pennsylvania** — Dept. Hys., Harrisburg, May 20, bridge on Route 211, McKean Co., from Milliron Constr. Co., Inc., Dubois, $45,801; bridge on R. 19, Sullivan Co., from H. E. and D. W. Bahner, 316 South 4th St., Sunbury, $10,775. Noted May 7 under "Streets and Roads."

**Maryland** — State Roads Comn., Baltimore, 57 ft. bridge over Evitts Creek, on National Pike, Contr. A-38, and 71 ft. span rein.-con. and over Town Creek, Contr. A-36, at Gilpin, from Thomas, Bennett & Hunter, Westminster, $9,165 and $13,735 respectively; extending existing brick arch with 50 ft. span, etc., over Flintstone Creek, Contr. 37-A, from Brady Bros Co., Frostburg, $4,361, all above in Allegany Co. Noted May 14.

**Illinois** — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, May 11, from Medaris-Barnett, Greenfield, one rein.-con. culvert, three 20 ft. and two 23 ft. span rein.-con. girder bridges, Route 22, Sect. 11-B, Cook Co., $27,222; from C. J. Moritz, Effingham, one 28 ft. and three 26 ft. span rein.-con. slab and one 30 ft. and two 40 ft. rein.-con. girder bridges, Route 33, Sect. 6-B, Jasper and Effingham Counties $28,454, two 40 ft. span rein.-con. girder bridge, Route 33, Sect. 7-D, Effingham Co., $9,171; from Riley & Tanner, Stonefort, three 34½ ft. span rein.-con. girder bridge, Route 1, Sect. 38-V, Johnson Co., $8,014; from W. Lough & Sons, Marion, one 106 ft. steel substructure, Route 2, Sect. 3-V, Jackson Co., $14,661; from W. H. Shons Co., 11 South Liberty St., Freeport, two 30 ft. span rein.-con. slab bridge, Route 5, Sect. 20-B, Stephenson Co., $5,901; from Keokuk Bridge Co. and M. E. Stone, Madisonville, two 30 ft. rein.-con. girder bridges, one substructure for two 160 ft. span steel bridge, one 50 ft. and two 40 ft. span rein.-con. girder bridges, Route 13, Sect. 13-B, Jackson Co., $39,809; from Vincennes Bridge Co., Vincennes, Ind., one superstructure for two 160 ft. span steel bridge, incl. 354,520 lb. structural steel, Route 13, Sect. 13-C, Jackson Co. $23,123, three 150 ft. span steel superstructure, 497,220 lb. structural steel, Route 31, Sect. 18-C, Fulton Co. $33,550, superstructure for one 100 ft. span bridge, 85,620 lb. structural steel, Route 39, Sect. 2-C, McLean Co., $6,361; from M. R. Depy, 1126 West Washington St., substructure for three 50 ft. span steel bridge, six 50 ft. and two 35 ft. span rein.-con. girder approach bridges, Route 31, Sect. 18-B, Fulton Co., $69,905; from A. L. Herrick, Carlinville, seven 40 ft. span rein.-con. girder bridge, Route 32, Sect. [illegible]-B, Moultrie Co., $29,977; from F. J. S[illegible] Tipton, Ia., one 40 ft. span rein.-con. girder bridge, Route 39, Sect. 1-B, M[illegible] Co., $5,330; from J. C. Fairclo, Champaign, one 14 ft. span rein.-con. slab bridge, one 8 ft. culvert and substructure for one [illegible] ft. span steel bridge, Route 39, Sect. [illegible]-B, McLean Co., $11,623, from Acme Engineering Co., Decatur, substructures for two 150 ft. span steel bridge and two 45 ft. span rein.-con. girder bridges, Route 39, Sect. 12-B, Champaign Co. $21,584, superstructure for two 150 ft. span steel bridge, 353,750 lb. structural steel, Route 39, Sect. 12-C, Champaign Co., $22,982; from Churnus Constr. Co., Minneapolis, Minn., three 55 ft., one [illegible] ft. and two 35 ft. rein.-con. girder bridges, one 18 ft. span rein.-con. slab bridge and relocating one 28 ft. bridge, Route 40, Sect. 11-B, Carroll Co. $49,[illegible] Noted Apr. 30.

**Mich., Detroit**—Bd. Comrs. Wayne Co., 1103 Real Estate Trust Bldg., substructure for double leaf bascule bridge at Dix Ave. and River Rouge, from Missouri Valley Bridge & Iron Co., Leavenworth, Kan., $390,236. Noted May 26.

**Tex., Sweetwater** — Nolan Co., concrete bridges, trestles and box culverts on State Highway 70, from C. C. O'Neal, 4425 Glenwood St., Dallas, $26,014. Engrs. est. $30,000. Noted Apr. 19.

**Okla., Ralston** — State Hy. Dept., Oklahoma City, 6 span 2,120 ft. steel truss bridge on concrete piers, Pawnee Co., here, from Green-Beekman Co., 519 West Main St., Oklahoma City, $249,177. Engrs. est. $300,000. Noted May 7.

### CONTRACTS AWARDED

**Pennsylvania**—State Hy. Dept., Harrisburg, three 127 ft. span viaducts on Route 241, Wyoming Co., to Whittaker & Diehl Co., Union Trust Bldg., Harrisburg, $82,027, two 74 span bridges at Sta. 331 and 378, Route 105, Cameron Co., to Ferris Eng. Co., Pittsburgh, $104,668. Noted May 7 and 14.

**North Carolina**—State Hy. Comn., Raleigh, rein.-con. bridges and culverts on Project 235, Johnston Co., to J. L. Brinkley, Thomasville, $38,615; on Project 105C, to F. J. McGuire, Bankers Trust Bldg., Norfolk, Va., $28,924; on Project 283, Wayne Co., to Bowers & Bennett, Whiteville, $45,039. Noted, May 21.

**Ala., Margerum**—State Hy. Dept., Montgomery, 2 span 250 ft. concrete bridge over Bear River, Colbert Co., here, to S. B. Boyd, Columbia, Miss., $50,158. Engrs. est. $50,250. Noted Apr. 16 under "Alabama."

**Louisiana**—See "Streets and Roads."

**Tenn., Columbia**—Maury Co., three 100 ft. span concrete bridge, 16 ft. roadway over Duck River, to Luten Bridge Co., Mercantile Bldg., Knoxville, Tenn., approximately $29,000. Noted Feb. 26.

**Wyoming**—State Hy. Dept., Cheyenne, three 95 ft. steel truss span bridge on Federal Aid Project 180-A, near Green River, Sweetwater Co., and 9 timber frame structures on Casper-Muddy Gap Highway, Federal Aid Project 164-B, Natrona Co., to Peppard & Fulton, 324 Midwest Bldg., Casper, $49,159 and $18,125 respectively. Engrs. est. $59,000 and $25,000 respectively.

**Wyoming**—See "Street sand Roads."

**Tex., Franklin**—See "Streets and Roads."

**Tex., Hebbronville** — See "Streets and Roads."

**Tex., Memphis**—See "Streets and Roads."

**Oklahoma** — State Hy. Dept., Oklahoma City, 3 span 270 ft. steel truss bridge with concrete piers, incl. 21,600 lb. expansion plates, etc., State Aid Project 141-B, at Chelsea, and 4 span 60 ft. girder bridge on concrete piers, Federal Aid Project 193-C, at Lenapah, both Nowata Co., to M. E. Gillioz, Monett, Mo., $69,189 and $40,063 respectively, engrs. ests. $80,000 and $45,000 respectively; four 25 to 40 ft. span concrete bridges on Tahlequah-County line Rd., Cherokee Co., to E. L. Terry, Wilburton, $42,615, engrs. est. $50,000. Grand total $151,864.

**Que., Montreal** — Harbor Comrs., piers, foundation, etc., for southern section of Montreal-South Shore Bridge, 3,750 ft. long to have 250 ft., two 200 ft., four 150 ft. and three 125 ft. spans, etc., to Quinlan, Robertson & Janin, 50 Notre Dame St. W., $936,749.

## Dam

### PROPOSED WORK

**Fla., Tallahassee** — West Florida Power Co. plans dam and Power House, across Oclochne River, near here. $750,000. G. A. Winthrop, resident engr. Mees & Mees, Kinney Bldg., Charlotte, N. C., consult. engr.

## Railways

### PROPOSED WORK

**Connecticut** — New York, New Haven & Hartford R.R. Co., New Haven, E. Gagel plans addition to freight terminal, incl. classification yard of 19 tracks, in East Hartford. $300,000. E. Gagel, ch. engr.

**California** — See "Buildings — Industrial under San Andreas."

### BIDS DESIRED

**Massachusetts**—June 2, by Eastern Massachusetts Ry. Co., 1 Beacon St., Boston, reconstructing, repairing and removing street railway tracks in towns of Norwood, Westwood and Dedham. Private plans.

**Ontario**—June 1, by W. A. Clarke, city clk. 40 Jarvis St., Toronto, 1¼ mi. double track electric street railway, in York Twp., Toronto.

### CONTRACTS AWARDED

**New Jersey**—North Jersey Dist. Water Comn., relocation of Erie R.R. at Wanaque Reservoir, to Winston & Co., Kingston, N. Y., $797,680.

**Minnesota** — Northern Pacific R.R. Co., 5th and Jackson Sts., St. Paul, grading and enlarging passenger coach yards, in St. Paul, to A. Guthrie & Co., 1209 Building Exch., St. Paul. Engrs. est. $750,000.

**Quebec**—Singer Mfg. Co., Thurso, 23 mi. line from Thurso to timber limits of owners, to Anglin-Norcross Co. Ltd., 65 Victoria St., Montreal. about $500,000.

## Excavation, Drainage, Irrigation, Levees

### PROPOSED WORK

**Ill., Fairfield**—Skillet Fork Union Outlet D. D. soon takes bids straightening and deepening Skillet Fork channel, cutting laterals, etc., for draining about 75,956 acres, incl. 30 mi. ditches and about 4,500,000 cu.yd. excav. $595,000. G. C. Harvey, Mount Carmel, engr. Noted Feb. 19.

**Ia., Rockingham** (Davenport P. O.)—Plans constructing cre k channel at Black Hawk Creek. $25,000. W. H. Tunnicliff, 802 Putnam Bldg., Davenport, engr.

**Tex., Edinburg**—Hidalgo Co. takes bids after June 1, earth levees to control flood waters along Sardinas Resaca from Rio Grande River to Cameron Co. line. $1,000,000. P. Devine, Pharr, engr. W. E. Shaw, Mercedes, assistant engr. Noted Jan. 22.

**Calif., Long Beach**—Made plans 6,500 ft. rock jetty at west side of harbor entrance, 500,000 tons rock, $1,000,000; 7,600 ft. rock dyke parallel to Terminal Beach, 713,000 tons rock, $1,426,000; relocating West Jetty, 54,000 tons rock, $270,000; rock jetty at east side of harbor 2,500 ft. beyond high tide, 475,000 tons rock, $950,000. R. G. McGlone, city harbor engr.

### BIDS DESIRED

**Okla., Seminole**—June 1, by E. Cooper, clk. Seminole Co. Wewoka Creek D. D., draining and straightening Wewoka Creek through west half of county, 100,000 cu.yd. earth and 1,500 cu.yd. rock excav. $35,000. H. J. Wilkins, 227 West Grand St., Oklahoma City, engr.

## Streets and Roads

### PROPOSED WORK

**N. J., Bridgeton** — Plans improving 9 streets. $90,000. C. P. Corey, city clk. Engineer not selected.

**Pa., Connellsville**—Voted $300,000 bonds constructing various streets. J. E. Hoenshell, Connellsville, engr. Noted Apr. 9.

**Pa., Uniontown** — Fayette Co. voted $2,500,000 bonds for roads. L. G. Clemmer, Uniontown, engr. Noted Apr. 9.

**North Carolina**—State Hy. Comn., Raleigh, plans grading, concrete or asphaltic paving, etc., 5.1 mi. roads in Henderson Co., $150,000; clearing, grubbing, etc., 254.4 mi. roads in Anson, Rowan, Mecklenburg, Bladen, Columbus, Catawba, Gaston, Alexander, Hoke, Caswell, Scotland, Union, Duplin, Stanly, Rockingham, Stokes, Washington and Edgecombe Counties. $1,782,500. C. M. Upham, highway engr.

**Fla., Dundee**—Plans grading, paving and laying sidewalks on Merrill, Center and Main Sts. $50,000, also 1st, 3rd, Shephard and 4th Sts., $50,000; grading and paving, etc., 7th, 8th, Edmund, Lake, Polk and Center Sts., $68,250. H. S. Jandon Eng. Co., Elberton, Ga., engrs.

**Fla., Riviera** — Plans grading, paving, curbing and laying sidewalks on portions of Grand, Orange, Mound, Flaglee, Park, Curtis, North, Wright and Spruce Sts., $26,000; portions of Oak, Inlet, Tarpon, North, 1st, 2nd, 3rd, Curtiss, and Dixie Sts., $40,000. A. L. Zill, clk.

**Tennessee** — State Dept. Hys. & Pub. Wks., Nashville, plans surfacing, probably concrete 2.5 mi. Humbolt-Madison Co. line Rd., Gibson Co. and 7 mi. Jackson-Gibson Co. line Rd., Madison Co.; also improving 15 mi. Murfreesboro-Manchester Rd., Rutherford Co. J. G. Creveling, highway comr.

**Ky., Murray**—Plans grading and asphalt surfacing 21,000 sq.yd. Court Square, Main and Maple Sts. $55,000. H. C. Doran, Murray, engr.

**O., Cincinnati** — Making plans curbing, laying sidewalks and paving, 475 ft. Central Ave., 2,100 sq.yd. granite block and 500 cu.yd. concrete $33,558, 675 ft. Walnut St. from 3rd to Front Sts. 3,000 sq.yd. granite block and 700 cu.yd. concrete $41,450, 855 ft. Plum St., 3,800 sq.ft. granite block and 1,300 cu.yd. concrete $63,812, 2,450 ft. Main St., 2,500 sq.yd. granite block, 8,400 sq.yd., asphalt and 2,600 cu.yd. concrete $103,169, 2,500 ft. Madison Rd., 3,950 sq.yd. vitr. brick, 7,600 sq.yd. asphalt and 1,950 cu.yd. concrete, $88,410; curbing and paving 484 ft. Walnut St. from 4th to 3rd Sts., 2,160 sq.yd. granite block and 500 cu.yd. concrete, $25,000; curbing, grading and paving 454 ft. Ludlow Ave., 20,200 sq.yd. bituminous concrete, $246,789. F. Krug, City Hall, engr.

**O., Columbus** — Making plans grading, laying necessary water services and sewer connections and paving 1,049 ft. Girard Ave., 24 ft., brick $19,988, asphalt $15,897; 738 ft. Graham St., 24 ft., brick $14,547, asphalt $12,667. R. H. Simpson, city engr.

**O., Lisbon** — Columbiana Co. plans improving Hanover-Salem Rd., Hanover Twp., $45,000; and East Liverpool-Wellsville Rd., $40,000, State appropriated $22,500 for latter project. J. A. George, East Liverpool, engr.

**Michigan** — State Hy. Dept., Lansing, plans graveling 5.5 mi. Federal Aid Project 172 B, and 2.5 mi. Sect. A, both Cheboygan Co., 6 mi. State Trunk Line Rd. 25-17, Chippewa Co., 6 mi. State Trunk Line Rd. 22-13 B, and State Trunk Line Rd. 22-11 A, both Leelanau Co., 1 mi. State Trunk Line Rd. 13-16, and 1 mi. State Trunk Line Rd. 31-15, both Huron Co., 11.439 mi. Federal Aid Project 134 A, Roscommon Co., 4.258 mi. State Trunk Line Rd. 25-4 A and B, Luce Co., 4.5 mi. State Trunk Line Rd. 77-4, Schoolcraft Co.; concrete paving 0.763 mi. Federal Aid Project 206 B and 1.484 mi. Federal Aid Project 206 A, both Saginaw Co., 8 mi. State Trunk Line Rd. 25-15 A, Chippewa Co., 2.256 mi. State Trunk Line Rd. 40-1 B, Van Buren Co., 12 mi. State Trunk Line Rd. 10, Bay and Saginaw Counties, 4.836 mi. State Trunk Line Rd. 13-50, Kent Co., and 5.587 mi. Federal Aid Project 144 A, Calhoun Co. G. C. Dillman, Lansing, ch. engr.

**Mich., Detroit** — Making plans sheet asphalt paving 3,750 sq.yd. Mandale Ave. $17,860, 17,420 sq.yd. Lakewood Ave., Sect. 2 $82,840, 4,730 sq.yd. Alden Ave. $22,500, 5,185 sq.yd. Almeda Ave. $24,650, 420 sq.yd. north and south alley between Lawton, Linwood, Hazelwood and Taylor Aves. $1,050, 1,280 sq.yd. alley between Lillibridge, Beniteau, Edlie, and Jefferson Aves. $3,170, 995 sq.yd. alley between McKinley, Roosevelt, Kirby and Hudson Aves. $2,470, 780 sq.yd. alley between Radford, Holmur, Virginia and Euclid Aves. $1,950, 1,710 sq.yd. alleys between Burns, Fischer, Sylvester and Canfield Aves. $4,250, 1,050 sq.yd. alleys between Colfax, Northfield, Clarendon and Martendale Aves. $2,750, 928 sq.yd. alleys between Vinewood, McKinley, Biddle and Kirby Aves. $2,370, 420 sq.yd. alleys between Orleans, Dequindre, Alfred and Brewer Aves. $1,050, 1,720 sq.yd. alleys between 14th, 12th, Euclid and Philadelphia Aves. $4,300. G. Jerome, city engr.

**Ill., Kewanee**—Henry Co. soon takes bids repairing old pavement or tearing out, and granite top on rein.-con., rein.-con. brick on concrete or Warrenite-bitulithic surfacing South Tremont St. from Prospect to Division Sts., $14,000, 2 blocks Wilcey Court from Prospect to Elliott St., and 1½ blocks Columbus Ave., $11,000, all foregoing 30 ft.; also mains in Rice St. from 3rd to 6th Sts., and 6th St. from Rice to West Sts., $4,300. J. C. Palmer, city engr.

**Ill., Peoria** — Peoria Co. plans grading, curbing, paving, etc., Widenham St. from Steubenville to Warren Sts., Steubenville St. from Brotherson to Eckley Sts., and Alley Block 8 from East McClure to East Virginia Sts. $30,000. W. E. Backus, City Hall, engr.

**Ill., Winthrop Harbor** — Making preliminary plans grading, curbing and concrete surfacing 1 mi. various streets. H. Abrahamsen, city clk.

**Minnesota** — State Hy. Dept., St. Paul, making plans concrete paving 11 mi. highway between Sandstone and Finlayson, also between Rock Creek and Pine City, Minnesota Trunk Highway 1, $300,000, also 1 mi. La Crosse-La Crescent Rd., Sect., Minnesota Trunk Highway 2, $30,000. Engineering Dept., State Hy. Dept., 1246 University Ave., St. Paul, engr.

**Kan., Newton**—Harvey Co. making preliminary plans grading, curbing and concrete or brick on concrete surfacing 9 mi. road running south from Newton, 18 ft. A. Hay, Newton, co. engr.

**Kan., Newton**—Making preliminary plans grading, curbing and vertical fibre brick surfacing 10 blocks Muse, Logan and West South 4th Aves. A. Martin, city clk.

**Neb., Papillion** — Sarpy Co. voted $50,000 bonds, grading and 3 in. gravel surfacing 10 mi. Bellevue Precinct. Noted May 21.

**Neb., Tekamah**—C. L. Holland, clerk Burt Co., rejected bids May 8, grading, gravel surfacing, creosoted timber bridging, etc. 15.3 mi. Tekamah-Decatur Rd., Federal Aid Project 229. Will readvertise. R. L. Cochran, highway engr.

**South Dakota**—State Hy. Comn., Pierre, rejected bids Apr. 28, grading 6.02 mi. State Aid Project 104, Roberts Co., $10,816; and 0.53 mi. Federal Aid Project 165-C, Brule Co., $10,682. Noted Apr. 16.

**Mo., Joplin** — Making preliminary plans grading, curbing, hardsurfacing, etc. 6th, 7th, 8th Sts., etc. $100,000. S. Pashcraft, city engr.

**Mo., Springfield** — Making preliminary plans grading, curbing and concrete surfacing 9,567 sq.yd. Sherman St. between Central and Division Sts. G. W. Culler, City Hall, engr.

**Mo., Sullivan**—Making preliminary plans grading, curbing and concrete surfacing various streets. $40,000. Alexander Eng. Co., Woodruff Bldg., Springfield, engrs.

**Ark., Arkadelphia**—Rejected bids grading, curbing, and concrete surfacing, etc. 18 blocks Paving Dist. 2. Approximately $700,000. Will readvertise. Noted May 7.

**Ark., Blytheville** — Plans grading and gravel surfacing 17 mi. Blytheville, Barfield and Huffman Rds., 18 ft. J. M. Brooks, secy. Chamber Commerce, interested.

**Tex., Abilene** — Taylor Co. making plans hardsurfacing 10 mi. Abilene Rd., State Highway 1, 18 ft. $250,000. W. A. Riney, Abilene, engr.

**Tex., Alpine**—Brewster Co. rejected bids clearing, grubbing, grading, bridging and gravel surfacing 5.13 mi. State Highway 3, Federal Aid Project 378-E, 26 ft. $49,084. Will re-advertise. A. L. White, Alpine, co. engr. Noted Apr. 30.

**Tex., Angleton** — Brazoria Co. making plans shell surfacing 7.8 mi. State Highway 58. $119,000. H. W. Munson, Angleton, engr.

**Tex., Brownfield**—Election June 2, $50,000 bonds, paving 14 blocks various streets. M. L. Copeland, city secy.

**Tex., Richmond**—Election June 2, $35,000 bonds, paving various streets. Address mayor.

**Tex., Richmond** — Fort Ben Co. election May 30, $60,000 bonds, improving Tavener Rd. Dist. C. H. Kendall, Sugarland, co. engr.

**Tex., Sherman**—Grayson Co. election soon $4,500,000 bonds, for road work. Engineer not announced. Address County Judge.

**Tex., Yoakum**—Plans paving various streets. $60,000. T. J. Fitch, city comr. Engineer not selected.

**Oklahoma**—State Hy. Dept., Oklahoma City, made surveys grading and bridging 2 mi. Postal Highway near Hydro, Caddo Co. $30,000, 11 mi. Weleetka-Wetumka Rd., Okfuskee Co. $70,000; grading and paving 10 mi. Gainesville-Ardmore Rd., Love Co., $275,000, and 9 mi. Garber-Covington Rd., Garfield Co., $270,000, all above 30 ft. wide. J. M. Page, highway engr.

**Okla., Perry**—Noble Co. election June 5, $900,000 bonds, grading and paving various roads. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

**Wash., Seattle** — King Co. takes bids about June 11, paving 1.5 mi. Panther Creek Rd. $50,000. T. R. Beeman, Seattle, engr.

**Wash., Sedro Woolley** — Making plans concrete paving Jameson, Puget Aves., et al. $40,000.

**Wash., Wenatchee** — Chelan Co. making plans grading and paving 1 mi. Wenatchee Highway from here southerly. $35,000. J. Duff, Wenatchee, co. engr.

**Calif., Alhambra**—Made plans Improving Main St. between Wilton and Fremont Sts., 1,087 cu.yds. grading, 300,711 sq.ft. 7 in. asphaltic concrete paving, 4,150 lin.ft. curbing, 18,942 sq.ft. each sidewalks and guttering, etc., Main St. between east city limits and Wilton Ave., 2,809 cu.yds. grading, 324,332 sq.ft. concrete paving, 3,707 lin.ft. curbing, 11,935 sq.ft. sidewalks, etc. M. H. Irvine, city engr.

Streets and Roads (Continued)

**Calif., Fresno**—Fresno Co. plans resurfacing and repairing Riverside Highway, etc. $160,000 available. C. P. Jensen, Cory Bldg., co. surv.

**Calif., Long Beach**—Making plans disintegrated granite surfacing Long Beach Blvd., Cherry and Atlantic Aves., etc. $50,000 or more. T. Bruce, city street supt.

**Calif., Modesto**—Made plans improving portion of Morris Ave., 119,856 sq.ft. grading, 115,263 sq.ft. 1½ in. Warrenite bitulithic on 2½-in. asphaltic concrete paving, etc. F. W. McCarton, city engr.

**Calif., Oakland**—Made plans improving portions of Rusdale St., 74th Ave., etc., 158,801 sq.ft. grading, 5,503 lin.ft. concrete curbing, 10,793 sq.ft. concrete guttering, 83,782 sq.ft. oil macadam paving, 24,254 sq.ft. concrete sidewalks, etc. W. W. Harmon, city engr.

**Calif., Oroville**—Butte Co. made plans improving Neal-Oroville-Chico Rd., 60 tons asphaltic oil, 1,561 tons each broken stone and local broken stone surfacing. H. H. Hume, Oroville, road engr.

**Calif., Pasadena** — Municipal Improvement Dist. 5, plans election $850,000 bonds, widening Holly St. between Bway. and Marengo Sts. and Holly St. between Bway. and Fair Oaks Sts. B. Chamberlain, city clk.

**Calif., Redwood City** — San Mateo Co. rescinded contract repaving and surfacing 7½ mi. road between San Gregorio and Pescadero. Noted Mar. 19.

**Calif., San Francisco**—Bd. Pub. Wks., rejected bids improving Orizaba St. between Broad and Randolph Sts. Noted Apr. 16.

**Calif., San Rafael**—Plans paving, curbing, guttering, etc., Myrtle, 3rd Sts., etc. To exceed $25,000. D. D. Bowman, mayor.

**Calif., San Rafael**—Marin Co. plans election $1,250,000 bonds, constructing good roads system. J. C. Oglesby, Cheda Bldg., co. surv.

**Calif., Santa Ana**—Made plans improving West Washington Ave. between Lowell and Artesia Sts., 460,656 sq.ft. 5 in. concrete paving, 20,175 ft. curbing, 38,668 ft. sidewalks, etc. N. H. Neff, city engr.

**Calif., Santa Barbara**—Santa Barbara Co. plans paving 2.4 mi. road to join Santa Maria end of Harris Station Rd.

**BIDS DESIRED**

**Mass., Gardner**—June 1, by F. W. Proctor, supt. Streets, City Hall, rein.-con. paving 5,600 sq.yd. two locations; adv. E. N.-R. May 28.

**R. I., Bristol**—June 1, by Town Council, improving highway, 500 yd. excav., 1,000 cu.yd. gravel borrow, 900 tons broken stone, and 7,000 gal. bituminous material. J. W. Church, town clk.

**New York**—June 5, by A. W. Brandt, comr. State Hy. Dept., Albany, constructing roads in Cattaraugus, Cayuga, Chemung, Chenango, Genesee, Kings, Montgomery, Nassau, Oswego, Queens and Ulster Counties; reconstructing roads in Dutchess, Franklin, Monroe, Oneida, Oswego, Rockland and Sullivan Counties; adv. E. N.-R. May 28.

**New Jersey**—June 8, by State Hy. Dept., Trenton, grading and bridging Route 9, Sect. 16, Bloomsbury cut-off, Warren and Hunterdon Counties; rein.-con. paving 22,138 sq.yd. Route 16, Sect. 5A, Somerset Co., and 25,341 sq.yd. Route 20, Sect. 2, Gloucester Co. A. L. Grover, secy.; adv. E. N.-R. May 28.

**N. J., Lambertville**—June 8, by City Comrs., sheet asphalt paving various streets. $25,000. G. Davis, Whitehouse Sta., engr.

**N. J., Roselle Park** (Ind. Br. Elizabeth) June 5, by Mayor and Council, improving Seaton and Warren Aves. J. W. Higgins, boro engr.; adv. E. N.-R. May 28.

**Pa., Southmont**—June 8, by Boro Council, R. G. Wertz, secy., improving Milton and Arlington Sts., 4,000 sq.yd. concrete paving, 3,000 lin.ft. concrete curbing, 700 lin.ft. 6 and 8 in. sanitary and 300 lin.ft. 10 and 12 in. storm sewers. S. E. Dickey & Co., 609 Johnstown Trust Bldg., Johnstown, engr.

**Maryland**—June 2, by State Rds. Comn., Baltimore, concrete paving 2.37 mi. Contr. P-56, Prince George Co. J. N. Mackall, chn.; adv. E. N.-R. May 28.

**Md., Baltimore**—June 3, by Bd. Awards, concrete paving 9,000 sq.yd. Contr. 287 OA, and sheet asphalt paving 15,330 sq.yd. Contr. 286 OANA. L. G. Turner, 214 East Lexington St., Acting Chrg. Paving Com.

**W. Va., Huntington**—June 1, by Bd. City Comrs., L. D. Newman, chn., grading, curbing and paving Enslow Ave. from 18th to 19th Sts., 4th Ave. from 36th to Belleview Sts. and Belford Ave. from 1st to 2nd Sts. A. B. Maupin, city engr.

**W. Va., Moundsville**—June 14, at office of City Clerk, brick, block, concrete, asphalt or amiesite surfacing, etc., 9th St., Washington, Tomlinson, Parriott and Ash Aves., 8th St. from Tomlinson to Jefferson Aves. and 8th St. from Lafayette to Tomlinson Aves., 7th St. from Parriott to Grant Aves., and 7th St. from Western Ave. to Baltimore & Ohio R.R. tracks. Noted May 21.

**W. Va., Spencer**—June 1, by Roane Co., R. L. McCulty, clk., at Court House, grading, etc., 18 mi. road in Smithfield Dist. S. P. Whitney, Spencer, co. engr.

**North Carolina** — June 9, by State Hy. Comn., Raleigh, hardsurfacing 46.76 mi. roads in Edgecombe, Jones, Vance, Hoke, Wilkes, Henderson and Buncombe Counties; topsoiling, etc., 48.43 mi. roads in Beaufort, Chatham, Avery, and Burke Counties. M. Upham, ch. engr; adv. E. N.-R. May 28. Noted May 21.

**Fla., Crestview**—June 15, at office D. H. McCallum, clk. Okalossa Co., clearing, grubbing, grading, sand clay surfacing, etc., about 1.04 mi. Project 649, Dist. 3; about 9.38 mi. Dist. 1, and about 9.053 mi. Project 652, all Rd. 33. D. E. Helton, chn.

**Miss., Louisville**—June 2, by A. A. McNeel, city clk., improving various streets, 8,798 sq.yd. concrete, brick, sheet asphalt or rock asphalt surfacing, 3,325 cu.yd. grading, 17,500 ft. 6 in. curbing, etc. F. A. Livingston, City Hall, engr.

**Miss., Mendenhall**—June 3, by W. C. Thompson, chn. Western Highway Dist. 2, Simpson Co. gravel surfacing 11.4 mi. Magee-Mount, Zion and Magee-Pinola Rds. E. A. York, Magee, engr.

**Louisiana**—June 2, by State Hy. Dept., Raymond Bldg., Baton Rouge, vitr. brick, Warrenite bitulithic, asphaltic concrete, or sheet asphalt paving 1.413 mi. State Project 360 B, Baton Rouge—Agricultural College Highway, East Baton Rouge Parish. W. B. Roberts, state engr.

**Louisiana**—June 2, by State Hy. Dept., Reymond Bldg., Baton Rouge, hardsurfacing Highland Rd. between Baton Rouge and new Louisiana State University. $100,000. W. B. Roberts, highway engr.

**O., Marion**—June 4, by Marion Co., concrete paving 1.4 mi. Marion Prospect Rd., 16 ft. $28,000.

**Ind., Anderson**—June 15, by Comrs. Madison Co., concrete paving 1.5 mi. portions of 29th St. $38,000. H. H. Doyle, Court House, engr.

**Mich., Grand Rapids**—June 2, by Kent Co., graveling 3.435 mi. Harvard Rd.

**Ill., Highland Park**—June 4, by City Clerk, grading, curbing and concrete surfacing 15,500 sq.yd. streets in Braeside Dist. Windes & Marsh, 598 Birch St., Winnetka, engrs.

**Wisconsin**—June 2, at Division Office 3, Nicolet Bldg., Green Bay, grading, bridging and concrete surfacing 83,969 sq.yd. Manitowoc-Sheboygan Rd., Federal Aid Project 420-A, Manitowoc Co. J. T. Donaghey, Madison, highway engr.

**Wisconsin**—June 3, at Office 5, Batavian Natl. Bank Bldg., La Crosse, clearing, grubbing, shale surfacing, etc. 880 cu.yd. Black River Falls — Augusta — Eau Claire Rd., Federal Aid Project 395-A, Sect. 1, and gravel surfacing 1,902 cu.yd. same road. Sect. 2, also grading, concrete surfacing, etc. 1.33 mi. Winona-Marshland Rd., Federal Aid Project 340-A and 87, Buffalo Co. J. T. Donaghey, Madison, highway engr.

**Wis., Watertown**—June 1, by F. Weber, city clk., grading, curbing, guttering and rein.-con. paving 6,783 sq.yd. 3rd St., and 5,090 sq.yd. Water St. To exceed $25,000. A. Kraeft, City Hall, engr. Noted Apr. 9.

**Ia., Cedar Rapids** — June 4, by L. J. Storey, city clk., concrete surfacing about 12,955 sq.yd. various streets. $32,000. T. F. McCauley, city engr.

**Minnesota**—June 2, by State Hy. Dept., 1246 University Ave., St. Paul, **(S. P. means State Project, F. A. P. means Federal Aid Project)**, grading and concrete paving 3,722 sq.yd. S. P. 1-33 at Northfield, 54,000 sq.yd. S. P. 1-38, Div. A, F. A. P. 268 south of Hugo, 86,400 sq.yd. S. P. 1-39, F. A. P. 296, 66,400 sq.yd. S. P. 1-40, F. A. P. 297, 21,500 sq.yd. S. P. 1-46 at Faribault, 8,700 sq.yd. S. P. 1-49 at Albert Lee, 123,300 sq.yd. S. P. 3-31, F. A. P. 283, 49,700 sq.yd. S. P. 336, F. A. P. 307, and 58,000 sq.yd. S. P. 50-23, F. A. P. 306; grading and constructing Bridge 4378, 136 ft. concrete, on S. P. 6-40, Sect. 1, F. A. P. 349.

**Minn., Elbow Lake**—June 2, by C. M. Nelson, aud. Grant Co., improving 9 mi. State Rd. 14, Job 2501, 105,758 cu.yd. excav., 187,325 cu.yd. overhaul, 1,442 ft. 12- to 36-in. metal or concrete culverts, etc. $28,000. W. E. Burgess, Elbow Lake, engr.

**Minn., Minneapolis**—June 10, by A. P. Erickson, aud. Hennepin Co., paving approximately 5 mi. approaches to Mendota bridge. $150,000. W. H. Wheeler, 1112 Metropolitan Life Bldg., engr.

**Kan., Ft. Scott**—June 2, by Clerk Bourbon Co., 128,000 gal. bitumens for single surface treating on 28 mi. various roads. B. Boyle, Ft. Scott, engr.

**Neb., Holdrege**—June 9, by I. Anderson, city clk., City Hall, grading, curbing, guttering and paving 4,950 yd. streets in Dist 13; 13,120 yd. in Dist. 14, and 20,150 yd. in Dist. 15. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

**Missouri**—June 5, by State Hy. Bd., Jefferson City, grading, graveling and concrete surfacing, etc., 54,148 sq.yd. King City-Clarkdale Rd., De Kalb Co., $100,000; grading and concrete surfacing, etc., 114,202 sq.yd. St. Louis-Kansas City Rd., Montgomery Co., to exceed $125,000. 275,800 sq.yd. Portageville-Arkansas Rd., Pemiscot Co., to exceed $350,000, 38,365 sq.yd. Richmond-Lexington Rd., Ray Co., to exceed $50,000; grading and chat surfacing, etc., 8,929 cu.yd. road from Nevada east, Vernon Co., to exceed $25,000. B. H. Piepmeier, highway engr.

**Mo., Farmington**—June 19, at office M. W. Crowder, clk. St. Francois Co., constructing 3.03 mi. roads through Desloge, St. Francois, and Flat River. Swank-Tanner Eng. Co., Charleston, engrs.; adv. E. N.-R. May 28.

**Mo., St. Louis**—June 9, by Bd. Pub. Serv., 208 City Hall, Warrenite paving 4,940 sq. yd. Rosedale St. $19,300, 31,210 sq.yd. Grand Blvd. and Grand-Kingshighway, $155,000; Warrenite paving and granite curbing 6,000 sq.yd. Plover Ave., $20,000; sheet asphalt paving and granite curbing 8,300 sq.yd. Gustine St., $25,000; Willite paving and granite curbing 3,950 sq.yd. Kansas St., $13,000; Willite paving and concrete curbing 4,215 sq.yd. Lemp St., $23,600; Trinidad asphalt, Warrenite or Willite paving 28,560 sq.yd. Kingshighway, $110,000; granite curbing, Trinidad asphalt or Willite paving 24,490 sq.yd. Morgan St., $108,400. W. W. Horner, city engr.

**Tex., Falfurrias**—Brooks Co. taking bids concrete surfacing, etc., 2.52 mi. State Highway 12, Federal Aid Project 429-I, $40,000; and 14.18 mi. same road, Federal Aid Project 2, $280,000, both 18 ft. R. Harrison, Falfurrias, engr. Noted Apr. 9.

**Washington**—June 9, by State Hy. Comn., Olympia, clearing, grading, etc., 0.5 mi. Bryn Mawr-Black River Rd., State Rd. 2, King Co.; crushed rock surfacing 6.75 mi. State Rd. 5 from pavement to Malloy's Bridge, Yakima Co.; clearing, crushed rock or gravel surfacing, etc., 3 mi. Charleston-Kitsap Lake Rd., State Rd. 21, Kitsap Co. J. W. Hoover, Olympia, highway engr.

**Wash., Bucoda**—June 8, by City Council, paving 3,600 ft. Main St. et al., 20 ft. $33,000. E. G. Sturdevant, Chehalis, engr. Noted Apr. 30.

**Wash., Seattle**—June 9, by Comrs. King Co., concrete paving 6,000 cu.yd. Greenwood Ave., Permanent Highway 10, 20 ft. $80,000. T. R. Beeman, Seattle, engr.

**California** — June 8, by State Highway Comn., Sacramento, crushed gravel on stone widening 10 mi. road between point 6 mi. east of Los Banos and San Joaquin River, Merced Co.; concrete paving 1 mi. road through town of Corning, Tehama Co.; concrete paving 7.6 mi. and crushed gravel or stone surfacing 1.2 mi. road between Healdsburg and Mark West Springs, Sonoma Co.; crushed stone or gravel surfacing 11.6 mi. road between Tahoe City and Nevada State line, Placer Co. R. M. Morton, Forum Bldg., Sacramento, state highway engr.

**Calif., Corning** — June 10, by City Trustees, 6 in. concrete paving 115,947 sq.ft. Solano St. W. F. Luning, Courthouse, Red Bluff, engr.

**Calif., Mayfield**—City Trustees taking bids improving Bowdoin, Columbis Sts., etc. 233,000 sq.ft. 5 in. vibrolithic concrete paving, 10,500 lin.ft. concrete curbing, etc. C. Moser, 651 Homer Ave., Palo Alto, engr.

**Calif., Oakland**—City Council taking bids improving portions Redding, Kingsland Aves., etc., 6,640 cu.yd. excav., 5,454 lin.ft. concrete curbing, 10,949 sq.ft. concrete guttering, 83,319 sq.ft. oil macadam paving, 27,433 sq.ft. sidewalk, etc. W. W. Harmon, city engr. Noted Apr. 3.

**Calif., Oakland**—City Council taking bids grading, paving, etc., East 14th St. between 50th St. and southeast boundary of city. $550,000. W. W. Harmon, city engr. Noted Jan. 15.

**Calif., San Bruno**—City Trustees taking bids grading, Willite paving, concrete sidewalks, etc., on Linden, Poplar, Elm, Acacia and Cypress Aves. To exceed $25,000. G. A. Kneese, Courthouse, Redwood City, engr.

Streets and Roads (Continued)

**Calif., San Diego**—June 8, by City, A. H. Wright, clk., improving Grape and 32nd Sts., 67,202 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete paving, 9,797 sq.ft. 4 in. concrete paving, 3,199 sq.ft. concrete sidewalks, etc. F. A. Rhodes, city engr. Noted May 7.

**Ontario**—June 1, by Dept. Pub. Highways, Toronto, concrete paving 4.08 mi. road from Prescott easterly, 5 mi. Penetration from L'Orignal, and 4 mi. west of Brockville. C. H. Nelson, ch. engr.

**Ont., Port Hope**—June 1, by M. N. Ferguson, town engr., asphalt, concrete or bituminous concrete paving 21,000 sq.yd. various streets., $90,000.

**Sask., Regina**—May 30, by City Comrs., improving various streets, 36,000 sq.yd. paving 20,000 lin.ft. curb and gutter, 80,000 sq.ft. concrete sidewalks, etc. D. A. R. McCannel, city engr.

**BIDS RECEIVED**

**New Hampshire** — F. E. Everett, State Hy. Comn., State House, Concord, bituminous macadam paving 0.57 mi. highway in Dorchester, from Robie Constr. Co., Manchester, $12,811, 0.8 mi. in Bethlehem, from O. W. Fernald, Berlin, $12,328; paving 1.87 mi. highway in Boscawen, from A. D. Bridges & Son, Hazardville, Conn., modified asphalt $23,706, from Warren Bros., 9 Cambridge St., Boston, Warrenite, $44,805. Noted May 14.

**Mass., Dorchester** (Boston P. O.)—Dept. Pub. Wks., Boston, bitulithic paving Columbia Rd., here, from Warren Bros. Co., 9 Cambridge St., Boston, $66,968.

**N. Y., Brooklyn**—J. A. Guider, boro pres., Boro Hall, May 20, from M. J. O'Hara, 1228 Park Ave., New York City, asphalt paving and repaving Dean St. $10,889, Maple St. $6,670, Ave. O $5,347, Westminster Ave. $7,664, 13th Ave. $3,235, 9th St. $41,949, 57th St. $4,724, 61st St. $15,785, Ave. N $3,740, from Uvalde Asphalt Paving Co., 1 Bway., New York City, Belmont Ave. $6,813, Bristol Ave. $ ',332, Lott Ave. $2,732, Williams Ave. $12,770, from Borough Asphalt Co., 1301 Metropolitan Ave., Carrol St. $3,203, St. Nicholas Ave. $3,853; from Grimm Contg. Co., 170 McKinley St., sidewalks on Leonard Ave. $1,729; from Cranford Co., 52 9th St., resurfacing McDonough St. $86,925; from W. J. McHale Contg. Co., 1250 Jefferson St., grading, curbing, flagging, etc., 19th Ave. from 71st to 72nd Sts. $1,227, 19th Ave. from 76th to 78th Sts. $1,259; from F. Persicano, 350 Fulton St., grading, sidewalks, etc. on 73rd St. $1,134. Noted May 14.

**N. Y., Brooklyn**—Park Bd., Dept. Parks, 64th St. and 5th Ave., New York City, May 21, improving Highland Park Dr., from Galco Contg. Co., 745 Dean St., $45,555; curbing along westerly portion of Spuyten Duyvil Parkway, from L. Di Minna, 2366 Lorillard Pl., New York City, $4,114. Noted May 14.

**N. Y., Poughkeepsie**—F. S. Greene, supt. Pub. Wks., 55 Lancaster St., Albany, May 21, east approach and east and west anchorages of bridge across Hudson River, here, from Scott Bros. Constr. Co., Inc., 117 North Washington St., Rome, $484,570. Engrs. est. $486,675. Noted Apr. 30.

**New Jersey**—Middlesex Co. (New Brunswick), May 14, concrete paving 3 mi. River Rd. from Highland Park to Bound Brook, from Liddle & Pfeiffer, 149 New Brunswick Ave., Perth Amboy, $157,989.

**Pennsylvania** — Dept. Hys., Harrisburg, May 20, **(A. means Application and R. means Route)**, rein.-con. paving 6,001 ft. R. 52, A. 3158-B, Somerset Co., and 15,630 ft. R. 53, Sect. 1, Blair and Cambria Counties, from M. Barber, 180 Henry St., Binghamton, N. Y., $48,259 and $134,581 respectively; 2,158 ft. R. 159, Berks Co., from Dubois Constr. Co., Dubois, $32,354; 11,848 ft. R. 294, A. 3293, Crawford Co., from J. C. Devine Co., Alliance, O., $134,519; 22,499 ft. A. 3218, Berks Co., from M. Staub, 47 South Bway., Pitman, N. J., $190,250; 32,025 ft. R. 180, Delaware Co., from Union Paving Co., 30th and Locust Sts., Phila., $571,441; 10,570 ft. R. 63, A. 3127, and 24,134 ft. A. 3122, both Jefferson Co., from Indiana Constr. Co., Indiana, $84,740 and $225,544 respectively; 27,076 ft. R. 272, A 3047, Erie Co., from C. H. Fry Constr. Co., 19th and Cherry Sts., Erie, $276,073; 16,218 ft. R. 357, A. 3125, Jefferson Co., from R. V. Baldwin, 1361 4th Ave., Coraopolis, $124,345; 4,700 ft. R. 139, Lebanon Co., from Frey Constr. Co., 50 West Phila. St., York, $83,445; 17,564 ft. R. 325, Sect. 5, Washington Co., from Blue Ridge Constr. Co., Inc., Uniontown, $150,727; 14,934 ft. R. 141, Schuylkill Co., from Rudolph & Delano, 27 Pine St., Tamaqua, $121,105. Noted May 7.

**Pa., Greensburg**—W. A. Arter, controller Westmoreland Co., grading and paving Drennan-Poke Run Rd., from State Constr. Co., New Kensington, $29,760, engrs. est. $40,000; Harrison City to Manor Rd., in Manor, from Indiana Constr. Co., Indiana, $82,147, engrs. est. $100,000. Noted May 7.

**Maryland** — State Roads Comn., Baltimore, concrete shoulders on 4.15 mi. Contr. CE-11-A, Cecil Co., from Broad Creek Constr. Co., Elkton, $17,270, 2.5 mi. Contr. A-2-A, Alleghany Co., from T. D. Claiborne Co., Garrett Bldg., Baltimore, $20,803, 1.2 mi. Contr. M-141-B, Montgomery Co., from Patapsco Eng. & Constr. Co., New Amsterdam Bldg., Baltimore, $14,194; concrete paving 1.5 mi. Contr. B-75, Baltimore Co., from H. D. Campbell & Sons Co., Towson, $44,721, 0.5 mi. Contr. WI-31, Wicomico Co., from St. Michaels Constr. Co., St. Michaels, $11,177; sheet asphalt paving 0.73 mi. Contr. BC-55, Baltimore Co., from P. Flanigan & Sons, Harford Rd. and Baltimore and Ohio R.R., Baltimore, $85,996. Noted May 7.

**Md., Baltimore**—Bd. Awards, grading and sheet asphalt paving 17,900 sq.yd. Contr. 283 OA, from Amer. Paving & Contg. Co., Montebello Ave., $86,940; granite block paving Contr. 284 OC, from Arundel Constr. Co., Knickerbocker Bldg., $31,575. Noted May 14.

**Louisiana** — State Hy. Dept., Reymond Bldg., Baton Rouge, graveling 10.7 mi. State Project 438, Clinton-Greensburg Highway, and 1.43 mi. State Project 375 C, St. Francisville-Clinton Highway, from Standard Highway Constr. Co., Baton Rouge, $120,702. Noted Apr. 23.

**O., Cleveland Heights** (Warrensville P. O. —From Cleveland Trinidad Paving Co., The Arcade, Cleveland, paving with (a) asphaltic concrete (b) sheet asphalt (c) brick, Ardmor Dist. (a) $116,382 (b) $126,411 (c) $140,926, Allstone Rd. (a) $18,148 (b) $19,028 (c) $20,268, Ardoon Rd. (a) $3,851, Monte Vista Rd. (a) $23,108, Quilliams Rd. (a) $17,667, Vinshire Rd. (a) $9,033, Antisdale Rd., (b) $25,901; from Spence Bros., Woodhill Rd., Cleveland, Antisdale Rd. (a) $33,464, Superior Rd. (a) $11,047, Rivere Rd., (a) $13,438; from Baldwin Bros., 4500 Euclid Ave., Cleveland, Clarence Rd. (a) $8,388, Glenwood Rd. (a) $17,668, Medford Rd. (a) $11,163, Noble Shire Rd. (a) $6,480, Randolph Rd. (a) $28,943. Noted Apr. 30.

**Mich., Detroit** — From Detroit Asphalt Paving Co., 909 Free Press Bldg., grading and sheet asphalt paving 1,637 sq.yd. Buena Vista Ave., Sect. 1 $7,562, 4,930 sq.yd. Buena Vista Ave., Sect. 2 $21,917, 2,390 sq.yd. Beniteau Ave. $11,159, 2,575 sq.yd. Farnsworth Ave. $12,818, 2,900 sq.yd. Rathbone Ave. $13,088, 10,930 sq.yd. McGraw Ave., Sect. 1 $45,294, 7,575 sq.yd. Plymouth Rd., Sect. 2 $29,442, 3,860 sq.yd. Lawton Ave. $18,127, 1,283 sq.yd. Deming St. $6,101, 3,090 sq.yd. McClellan Ave. $14,515, 6,520 sq.yd. August Ave. $29,228, 4,820 sq.yd. Vinton Ave. $21,622, 3,640 sq.yd. Ashland Ave. $16,652, 1,985 sq.yd. Walden Ave. $9,267, 3,685 sq.yd. Orangelawn Ave. $16,567, 6,675 sq.yd. Plymouth Rd., Sect. 4 $27,581; from Cleveland Trinidad Paving Co., 402 Hammond Bldg., 2,550 sq.yd. Petoskey Ave., Sect. 1 $11,440, 2,100 sq.yd. Petoskey Ave., Sect. 2 $9,670, 5,460 sq.yd. Dexter Ave. $22,282, 960 sq.yd. Lawton Ave. $4,565, 6,010 sq.yd. Belden Ave. $27,274, 3,950 sq.yd. Idaho Ave. $18,251, 535 sq.yd. Brown Ave. $2,763; from Cooke Asphalt Paving Co., 1260 Penobscot Bldg., 6,280 sq.yd. Casmere Ave. $28,304, 8,495 sq.yd. Riopelle Ave. $37,403, 8,550 sq.yd. Annin Ave. $37,729, 7,860 sq.yd. Burnside Ave. $36,213.

**Illinois** — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, May 11, concrete surfacing 8.94 mi. Route 3, Sect. 43, Schuyler Co., from F. C. Feutz Co., Rochester, Ind., $178,707, 0.25 mi. Route 5, Sect. 15-X, Winnebago Co., from Verhey Constr. Co., Urbana, $8,958, 3.35 mi. Route 9, Sect. 36, McDonough Co., from Cameron Joyce Co., Keokuk, Ia., $67,637, 4.12 mi. Route 9, Sect. 39, Fulton Co., from Jansen & Schaefer, Pekin, $125,497, 5.33 mi. Route 22, Sect. 11, Cook Co., from Chicago Heights Coal Co., Chicago Heights, $133,533, 7.8 mi. Route 22, Sect. 19, Lake Co., and 0.31 mi. Route 22, Sect. G-2, Will Co., from Powers Thompson Constr. Co., Joliet, $194,088 and $3,102 respectively, 1.22 mi. Route 22, Sect. 21, Lake Co., from Darrell & Barrow, Waukegan, Wis., $56,628, 3.06 mi. Route 23, Sects. 27 and 27-A, De Kalb Co., from Carnine & Sweeney, Sullivan, $35,900, 7.23 mi. Route 33, Sect. 3, Jasper Co., from E. Berns Co., Indianapolis, Ind., $109,065, 8.28 mi. Route 33, Sect. 6, Jasper and Effingham Counties, and 6.76 mi. Route 33, Sect. 7, Effingham Co., from C. J. Moritz, Inc., Effingham, $140,076 and $108,886 respectively, 13.6 mi. Route 39, Sects. 2, 3 and 4, McLean Co., from W. W. C. Meneely Co., Decatur, $269,687, 1.56 mi. Route 27, Sect. 18, Ogle Co., from C. E. Carson Co., 601 St. Clair St., $53,307, 4.97 mi. Route 31, Sect. 16, Fulton Co., and 7.18 mi. Route 45, Sect. 1, La Salle Co., from Keokuk Quarry & Constr. Co., Keokuk, Ia., $89,881 and $127,435 respectively; grading 1.7 mi. Route 24, Sect. 12-A, Sangamon Co., from Harris & Haskitt, Neoga, $24,128, 5.14 mi. Route 39, Sect. 1-A, McLean Co., from Louis Rich Constr. Co., Harrisburg, $16,747, 2.31 mi. Route 39, Sect. 2-A, McLean Co., from E. P. Olson, 2901 Monterey St., St. Joseph, Mo., $13,844, Fish Hatchery Dike, Woodford Co., from J. J. Jobst, 109 South Jefferson St., Peoria, $9,272. Noted Apr. 30.

**Wis., Wausau** — J. L. Brown, city clk., May 11, vibrolithic or rein.-con. paving, etc. 12,820 sq.yd. 6th and Division Sts., from C. Latz, 1016 Grand Ave., at $2.04 per sq.yd. Noted Feb. 19.

**Minn., St. Paul**—H. W. Austin, city purch. agt., Apr. 28, paving approximately 11,022 sq.yd. Wheelock Parkway, from Hanlon & Okes, 1501 Merchants Bank Bldg., oil asphaltic concrete, $49,488 and lake $51,000. Noted Apr. 23.

**Tex., Liberty**—Liberty Co. surfacing with (a) 6 in. Bates type concrete on sand or (b) 1½ in. bituminous on concrete (1) 6.8 mi. State Highway 3, Federal Aid Project 352-A, 18 ft. and (2) 7.8 mi. same road Sect. C, from F. P. McElwrath, Corsicana, (a1) $183,486 (b1) $222,404 (a2) $199,434 (b2) $243,800; hauling and shell surfacing 6 and 8 in. same road Sect. D, from C. K. Horton, Box 1394, Houston, $23,591, engrs. est. $25,500. Noted Apr. 30.

**Oklahoma**—State Hy. Dept., Oklahoma City, May 12, grading, gravel surfacing, etc., 8.86 mi. State Aid Project 141-A, Nowata Co., from J. G. Newkirk, McAlester, $55,619. Engrs. est. $65,000. Noted May 7.

**Wash., Seattle**—Bd. Pub. Wks., May 8, from Moceri Bros., Thompson Bldg., improving Meridian Ave. et al, 960 lin.ft. asphaltic concrete curbing at $0.58 per lin.ft. concrete curbing $0.27, 430 lin.ft. concrete sidewalks $1.40, 3,400 cu.yd. sub-grade $0.48, 1,950 cu.yd. grading $0.40, 13,780 sq.yd. 6 in. concrete paving $1.55, etc., total $36,631. Engrs. est. $41,750.

**Calif., Taft**—From A. J. Crocker Co., 58 2nd St., San Francisco, improving Kern St., etc. 4,150 ft. curbing, at $0.80 per cu.yd., 5,986 ft. gutter, $0.35, 21,437 ft. sidewalks $0.22 and 147,247 ft. 1½ Warrenite bitulithic on 3½ in. asphaltic concrete, etc. Noted Mar. 19.

**CONTRACTS AWARDED**

**R. I., Providence** — Dept. Pub. Wks., regulating and paving various roadways, to C. W. Blakeslee & Sons, 58 Waverly St., New Haven, Conn., $69,639.

**R. I., Providence** — Metropolitan Park Comn., State House, bituminous macadam paving 2.48 mi. Barrington Parkway, 18 ft. 8 in., to B. C. J. Jordon, 75 Westminster St., $69,185.

**R. I., Providence** — Water Supply Bd., grading about 1 mi. highway in Scituate, to E. L. Gobielle, Inc., 16 Cambridge St., Worcester, Mass., $30,265. Noted May 21.

**Connecticut**—J. A. McDonald, comr. State Hy. Dept., Hartford, bituminous macadam surfacing 45,394 ft. Northampton Turnpike, in Windsor, Windsor Locks, East Granby and Suffield, to Lane Constr. Co., 37 Colony St., Meriden, $168,134, 13,144 ft. Hebron Ave. in Glastonbury, to F. Arrigoni & Sons, Middletown, $26,600; waterbound macadam surfacing 20,785 ft. Raymond Hill Rd. in Montville, to D. Arrigoni, Middletown, $102,933, 19,980 ft. Colchester Amston Rd. in Colchester and Hebron, to L. Suzio Constr. Co., State and Brooks Sts., Meriden, $83,234, 6,000 ft. Macedonia Rd. in Kent, to W. J. Montgomery Co., 72 Conner St., New Haven, $58,368, 12,900 ft. Branford and North Branford Rds. in Branford and North Branford, to Kelleher Bros., Montague City, Mass., $52,956, and 6,000 ft. Georgetown Rd. in Redding, to Osborn & Barnes Co., Odd Fellows Bldg., Danbury, $47,354. Grand total $539,579. Noted Apr. 23.

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading and repaving West Alley Rd., etc., to W. P. MacDonald Constr. Co., 342 Madison Ave., New York City, $149,430. Noted May 14.

**N. Y., Long Island City** — M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., restoring sidewalks and sheet asphalt paving Rockaway Beach Blvd. from Beach 116th to 122nd Sts., to Sicilian Asphalt Paving Co., 41 Park Row, New York City, $8,618; and granite block paving Rockaway Beach Blvd. from Beach 75th to Beach 110th Sts., to Peninsula Contg. Corp., $19,109. Noted May 14.

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Highway Impvt. & Repair Co., 50 Church St., New York City, grading, curbing and

Streets and Roads (Continued)

sidewalks, etc., on 53rd Ave. $12,131, 96th St. $10,576; to Sicilian Asphalt Paving Co., 41 Park Row, New York City, sheet asphalt repaving Old South Rd. $190,220, to Uvalde Asphalt Paving Co., 1 Bway., New York City, Beach 19th St. $46,135, Lincoln Ave. $54,655, to Cleveland Trinidad Paving Co., Flushing, Van Wyck Ave. $75,040; to Welsh Bros. Contg. Co., 32 Queens St., Astoria, grading, curbing, and sidewalks, etc., on Moore St. $18,990; to H. E. Kordes, 2577 Cooper St., grading 83rd Ave. $4,828; to J. J. O'Brien, William St., Jamaica, grading, sidewalks, etc., on 97th St. $2,695, 125th St. $7,374; to C. H. Georgi, grading, sidewalks, etc., on 91st Ave. $2,005. Noted May 7.

**N. Y., New York**—L. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., bituminous concrete paving Mt. Eden Ave., and granite block repaving East 149th St., to Asphalt Constr. Co., 208 Bway., $14,962 and $211,706 respectively; granite and asphalt block repaving Fordham Rd., to Regan Towers Co., 124 West 121st St., $179,104; grading, etc., Adams St., to M. Del Balso, 660 East 221st St. $3,991, Calhoun Ave., to Spadaro Contg. Co., Inc., 375 East Fordham Rd. $10,788, Bogart Ave., to S. Nugent 285 West 150th St., $10,983. Noted May 21.

**N. Y., New York**—New York State Bridge & Tunnel Comn. and New Jersey Interstate Bridge & Tunnel Comn., Room 3004 Woolworth Bldg., granite block with asphalt mastic joint filler on sand-cement cushion paving Holland Tunnel, Contr. 10, to W. T. Fitzgerald, 547 East 45th St., $329,655. Noted May 14.

**N. Y., St. George** — J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete repaving Richmond Terrace, etc., to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $24,042; concrete curbing, etc., North Burgher Ave., to Fiorino & Trafaglio, 138 St. Pauls Ave., Tompkinsville, $10,711. Noted May 14.

**N. J., Elizabeth**—Bd. Wks., to Standard Bitulithic Co., 50 Church St., New York City, asphalt paving Fernwood Terrace $11,966, Grove St. $14,570, Vine St. $17,944, Ramond Terrace $8,319; to Gilligan, Barret & Cahill Co., Broad St., Newark, portion of Grove St. $14,784, Trinity Pl. $15,578, and Irvington Ave. $20,105. Grand total $103,266.

**N. J., Princeton**—Concrete paving ½ mi. Harrison St., to Union Paving Co., 30th and Locust Sts., Phila., Pa., $25,849. Noted Mar. 19.

**Pennsylvania**—State Hy. Dept., Harrisburg, **(A. means Application and R. means Route)**, rein.-con. paving 11,640 sq.yd. R. 302, Sect. 2 Westmoreland Co., to J. Battenfield Sons Co., 223 Martin Bldg., Federal St., Pittsburgh, $3.20 per sq.yd., total $56,780, 6,529 sq.yd., 15,724 sq.yd. and 4,000 sq. yd. R. 221 Blair Co., to G. I. Thompson Co., Clearfield, $3.75, $3.45 and $3.10 per sq.yd. respectively, total $112,967, 54,100 sq.yd. R. 103, A. 3370-3308, Tioga Co., to Van Auken & Robbins, Troy, $2.65 per sq.yd., total $206,820, 38,000 sq.yd. R. 256, A. 1078-2959, Greene Co., $4.30 per sq.yd., total $293,913; grading, etc., 33,300 cu.yd. R. 193, Sect. 1, Huntingdon Co., to Ancon Constr. Co., Collingswood, N. J., $1.05 per sq.yd., total $63,918. Grand total $734,428. Noted May 7.

**Pennsylvania**—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, to Johnson-Drake & Piper, 834 1st Natl. Soo Line Bldg., Minneapolis, Minn., improving R. 67, A. 3175-3032, Armstrong and Indiana Counties, 50,750 sq.yd. rein.-con. paving, $3.28 per sq.yd., 37,040 cu.yd. unclassified excav. $0.95 per cu.yd. and 9,905 cu.yd. borrow $0.95 per cu.yd.; to Carrado & Galiardi Constr. Co., Connellsville, R. 337, A. 3176, Indiana Co., 75,277 sq.yd. rein.-con. $3.25, 39,700 cu.yd. unclassified excav. $1, total $348,586; to W. C. Horn Co., Athens, R. 299, A. 2341, Bradford Co., 7,134 sq.yd. rein.-con. $3.25, 906 cu.yd. unclassified excav. $2, total $30,000; to C. H. Fry Constr. Co., 19th and Cherry Sts., Erie, A. 3346-3347, Erie Co., 3,582 ft. rein.-con. $3.60, 868 cu.yd. unclassified excav. $1.25, total $15,469; to R. D. Richardson Constr. Co., Scranton, A. 3219, Berks Co., 7,931 sq.yd. rein.-con. $3.30, 7,076 cu.yd. unclassified excav. $1.70, total $50,638; to Elder & Merriman, Ebensburg, R. 262, Sect. 4, Indiana Co., 72,300 sq.yd. rein.-con. $3.18, 47,224 cu.yd. unclassified excav. $1, 6,327 cu.yd. borrow $1, total $342,850; to Frey Constr. Co., 50 West Phila. St., York, R. 140, A. 2924, Sect. 2, Dauphin Co., 20,005 sq.yd. rein.-con. $3.24, 13,500 cu.yd. unclassified excav. $1.37, total $99,375; to Wilson-Johnson Constr. Co., Appleton, Wis., R. 75, A. 3384, Butler Co., 18,850 sq.yd. rein.-con. $3.19, 6,755 cu.yd. unclassified excav. $1, total $85,298; to E. A. Freshwater & Sons, Painesville, O., R. 347, A. 3138, Beaver Co., 10,057 sq.yd. rein.-con. $3.25, 4,100 cu.yd. unclassified excav. $1, total $45,743; to General Paving Co., Allentown, A. 3220, Berks Co., 22,217 sq.yd. rein.-con. $2.80, 5,314 cu.yd. unclassified excav. $1.50, total $83,035. Noted May 7.

**Pa., Phila.** — Bureau Hys., Dept. Pub. Wks., to E. A. Mullen, Inc., 5512 Vine St., grading Buist, Daggett and Dicks Sts. $1,982, to R. B. Wenner, 2313 Walnut St., Churchview St. $23,600, Middleton St. $6,748, to T. L. Flannagan, 531 Ellwood St., Leiper St., $732, 66th Ave. $2,525, to Garlick Bros., 2934 East Venango St., Griffith, Hartel and Harrocks Sts. $12,883, Thompson St. $5,429, Venango St. $920, to Buckley & Banks, 1317 South Juniper St., Markle St., $8,531, Sedgwick St. $1,760, to Eastern Asphalt Paving Co., Pennsylvania Bldg., asphalt paving American and Randolph Sts. $2,344, C St. from Wyoming to Louden Sts., and Luden St. from C to Rosehill Sts., $13,977, Louden St. from Marshall to 7th Sts. $1,971, Oxford St. $5,693, to Union Paving Co., 30th and Locust Sts., Buist, Edgewood, Theodore and 60th Sts. $24,740, asphalt repaving Baltimore St. $81,414, and redressed granite block repaving Bainbridge St. $26,211; to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., asphalt paving, Montana St. $9,944, Salmon St., $5,188, to Barber Asphalt Co., 239 North 30th St., Dicks St. $7,498, Gaul St. $4,800, Lebanon and 57th Sts. $33,678, Reedland and Wheeler St. $7,346, 67th St. $6,285, asphaltic repaving Lehigh St. $9,337, 44th St. $11,129; to United Paving Co., Real Estate Trust Bldg., redressed granite block repaving 10th St. $25,064; to J. F. Nolen & Sons, 64 Church Lane, vitr. block repaving Silverwood St. $32,626; to Curtis Bros., State Rd. and Unruh St., country road improvements, Burholme, D, E and Hoffnagle Sts. $17,701, to Baton Constr. Co., 1713 Sansom St., Cobbs Creek Parkway $62.254, to Fort-Rutherford Co., 2313 Walnut St., Luzerne St. $17,701; to Kauffman Constr. Co., Bourse Bldg., concrete dam and section of bathing lake at League Island Park, $3,610; from Sarco Contg. & Building Co., 1213 Snyder Ave., reconstructing sewers in 11th St., $4,490. Grand total $472,616. Noted May 14.

**Pa., Phila.**—Grading 174,890 cu.yd. 20th St., to McNichol Paving & Constr. Co., 1923 Cherry St., $0.99 per cu.yd. total $173,141.

**Pa., Pittsburgh**—City Controller, **(e. e. means engrs. est.)**, to M. O'Herron & Co., South 1st and McKeon Sts., repaving Jancey St. $82,465 e. e. $90,000, to Booth & Flinn, 1942 Forbes St., Charles St. W. $51,441 e. e. $39,000, Preble Ave. $32,574 e. e. $40,000, grading, paving and curbing Rossmore Ave. $36,730 e. e. $54,000. Grand total $203,310. Noted Mar. 12.

**Pa., Waynesburg** — Green Co., Kentucky rock on crushed stone surfacing 14,435 ft. Coallick Rd., Franklin Twp., to E. E. Morris, Waynesburg, $136,453. Noted May 7.

**Md., Baltimore** — Grading, curbing and concrete paving 12,770 sq.yd. Contr. 282-OANA, to G. Long Constr. Co., 1st Ave. and 12th St., $33,760. Noted May 21.

**Md., Baltimore** — Bd. Awards, sheet asphalt paving 8,530 sq.yd. Contr. 281-OC, to Amer. Paving & Constr. Co., Montebello Ave., $42,939; concrete paving 13,160 sq.yd. Contr. 280-NA, to Aiello Constr. Co., 4th and South Sts., $37,982. Noted May 21.

**Md., Salisbury**—Concrete paving 1.44 mi. extension Main St., to P. H. Phillips & Bro., Salisbury, $54,937.

**North Carolina**—State Hy. Comn., Raleigh, to Jamison Bros., High Point, clearing, grubbing, grading, top soiling, etc., Project 128, Edgecombe Co. $68,912, to Hanford Bros., Burlington, 7.53 mi. Project 609, Anson Co., $50,584; to Battershille & Goode, Virgilina, Va., clearing, grubbing, grading, etc., 13.27 mi. Project 235, Johnston Co. $67,601, to J. A. Narrow, Clarksville, 11.78 mi. Project 581, Randolph Co. $54,539, to T. C. Hurlocker, Albemarle, 10.58 mi. Project 396, Rabeson Co. $45,670; to Hudson & Scruggs, Wilmington, grading and sand asphalt paving, etc., 5 mi. Project 310, Brunswick Co. $92,873, to R. G. Lassiter & Co., Raleigh, 9.24 mi. Project 564, Moore Co., $168,211, to Highway Eng. & Constr. Co., Selbyville, Del., 8.02 mi. Project 565, Moore Co., $148,078; to Noll Constr. Co., Charlotte, grading and asphalt on concrete paving 9.38 mi. Project 283, Wayne Co. $309,032, to Blythe Bros. Co., Charlotte, 7.96 mi. Project 488 B, Wake Co. $212,445, to F. J. McGuire, Bankers Trust Bldg., Norfolk, Va., 4.48 mi. Project 197 C, Bertie Co. $132,973, clearing, grubbing, grading and plain concrete paving, etc., 4.91 mi. Project 105 C, Beaufort Co. $167,711, 4.15 mi. Project 181, Perquimaus Co. $114,150; to J. M. Gregory & Co., Pittsboro, grading, concrete paving and rein.-con., structures, etc., on 10.3 mi. Project 745, Forsythe Co. $272,618, grading and concrete paving 8 mi. Project 534, Guilford Co. $231,214. Grand total $2,136,611. Noted May 21.

**Miss., Gulfport**—Harrison Co. and State Hy. Dept., Jackson, concrete surfacing, etc., 3.016 mi. Gulfport Rd., 18 ft. with 4 ft. grading, also 132 ft. steel and concrete bridge across Turkey Bayou, to S. A. Gano, Maison Blanche Bldg., New Orleans, La., $83,902 plus $8,390 for engineer and contingent expenses. Noted Apr. 30.

**Louisiana**—State Hy. Dept., Reymond Bldg., Baton Rouge, graveling 10.68 mi. State Project 467 A, Sect. A, Minden-Lewisville Highway, and 7.94 mi. State Project 429, Sect. C, Natchitoches Boyce Highway, to N. M. George Constr. Co., Shreveport, $59,423, and $33,653 respectively; 8.01 mi. State Project 429 B, Natchitoches-Boyce Highway, to W. B. Baille, Delhi, $32,019. Noted Apr. 30.

**Louisiana** — State Hy. Dept., Reymond Bldg., Baton Rouge, graveling State Project 351, Sects. C and D, St. Francisville-Jackson Highway, West Feliciana Parish, to Two State Constr. Co., Junction City, $47,727, and road in West Feliciana, to F. O. Hamilton, $30,368; West Feliciana Bridge, to A. M. Blodgett, New Orleans, $19,206.

**Tennessee**—State Dept. Hys. & Pub. Wks., Nashville, soon takes bids surfacing, probably concrete, 4 mi. Gibson Co. line Rd. to Federal Aid Project 29, 18 ft., Madison Co. J. G. Creveling, highway engr.

**O., Cleveland**—Improving Fairwood Ave. and West 44th St., 4,070 cu.yd. excav., 7,150 sq.yd. brick paving 4,100 lin.ft. stone curbing, 4,820 lin.ft. 4 in. drain tile gutter, to Roehl Bros., 7002 Denison Ave., $18,556 and $20,984 respectively; Milverton Rd., 3,500 cu.yd. excav., 8,200 sq.yd. asphalt on concrete, 4,370 lin.ft. stone curbing and 4,720 lin.ft. 4 in. drain tile gutter, to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $52,546; West 46th and 118th Sts., 7,880 sq.yd. excav., 13,320 sq.yd. brick paving, 5,200 ft. stone curbing, 5,300 ft., 4 in. drain tile gutter, to Fischer & Williams, Lorain Rd., $6,898 and $83,190 respectively; Catalpa Ave., Arabelle and Burgess Rds., 6,720 cu.yd. excav., 13,520 sq.yd. brick on concrete, 8,746 lin.ft. 4 in. drain tile gutter, 9,330 lin.ft. stone curbing, to Gould & Maybach, 16311 Saranec Rd., $26,009, $17,337 and $23,441 respectively; Bramer Dr. and West 42nd St., 6,060 cu.yd. excav., 10,330 sq.yd. asphalt on concrete paving 6,955 lin.ft. 4 in. drain tile gutter, 7,455 lin.ft. stone curbing, to W. E. McHugh, West 73rd St. and Wheeling & Lake Erie R.R. tracks, $47,343 and $6,005 respectively; Denley Ave. and East 45th St., 2,490 cu.yd. excav., 4,540 sq.yd. brick paving, 3,136 lin.ft. 4 in. drain tile gutter, 3,670 lin.ft. stone curbing, to Enterprise Paving & Constr. Co., 8444 The Arcade, $12,902 and $11,992 respectively. Grand total $317,203. Noted Apr. 16.

**Ind., Marion** — Grant Co., curbing and concrete paving 1.75 mi. Meridian St., to G. W. Fenning & Sons, Bryant, $44,714.

**Michigan** — State Hy. Dept., Lansing, will concrete surface 2.153 mi. Trunk Line Rd. 23-13, A. Washtenaw Co., by day labor. $69,870. G. C. Dillman, ch. engr.

**Michigan** — State Hy. Dept. at office Comrs. Saginaw Co., Saginaw West Side, grading 5.802 mi. Federal Aid Project 92 A2, and 2.587 mi. Sects. B1 and B3, to W. J. Meagher, Bay City, $222,861 and $133,850 respectively. Noted May 14.

**Ill., Averyville**—Bd. Local Impvts., grading, curbing and vitr. brick on concrete surfacing 20,576 sq.yd. Madison St., to Tuttle & Bidleman, Peoria, $51,250. Engrs. est. $60,000.

**Ill., Forest Park**—Bd. Local Impvts. improving various alleys, to J. A. Ross & Co., 4561 Armatige St., Chicago, grading at $1.40 per cu.yd. and concrete paving $2.33. Noted Apr. 16.

**Ill., Highland Park** — Grading, curbing and concrete surfacing 9,400 sq.yd. various streets, to Highways Constr. Co., Highland Park.

**Ill., Lincoln**—Logan Co., 500,000 gal. road oil on various roads, to Roxana Petroleum Corp., Arcade Bldg., St. Louis, Mo., at $0.0611 per gal.

**Wisconsin**—State Hy. Comn., Madison, to A. Larsen & Co., Eau Claire, improving Madison-Kilbourne Rd., Federal Aid Projects 355, 356 and 418-A, Saul Co., 17,390 cu.yd. earth excav. at $0.65 per cu.yd., 418 cu.yd. loose rock excav. $1, 975 cu.yd. borrow $0.65, 70,003 sq.yd. concrete surfacing etc., $1.40, total $130,181; to A. J. Kramp, Berlin, improving Janesville-Evansville-Madison Rd., Federal Aid Project 384-A and B, 52,447 cu.yd. earth excav. at $0.60, 1,047 cu.yd. borrow $0.60, 115,024

Streets and Roads (Continued)

sq.yd. concrete surfacing, etc., $1.10, total $174,686; to Campbell Constr. Co., 3050 Henn Ave., Minneapolis, Minn., improving, Shullsburg-Monroe Rd. Federal Aid Project 374-B, Green Co., 9,275 cu.yd. ditch borrow at $0.40 686 cu.yd. borrow $0.65, 5,717 cu.yd. channel change $0.70, 8,041 cu.yd. earth excav. $0.65, 12,503 cu.yd. solid rock excav. $1.45, 28,482 sq.yd. concrete surfacing, etc. $1.21, total $84,421. Grand total $398,288.

**Wisconsin** — State Hy. Comn., Madison, grading and gravel surfacing, etc., 7.1 mi. Elcho-Monico Rd., Federal Aid Project 380-A, Oneida Co., to R. Paulson, Granton, $69,486; 6 mi. Hawkins-Catawba Rd., Federal Aid Project 371-A, Price Co., and 7.1 mi. Clifford-McCord Rd., Federal Aid Project 335-A, Lincoln and Oneida Counties, to Stuebs & Sloan, Forestville, $41,587 and $72,595 respectively. Grand total $183,658.

**Wisconsin** — State Hy. Comn., Madison, grading, concrete surfacing, etc., 10,873 sq. yd. Stanley-Thorp Rd., Federal Aid Project 301, and 2,304 sq.yd. Thorp-Withee Rd., Federal Aid Project 403-A, both Clark Co., to A. R. Garnock, Eau Claire, $19,441 and $54,520 respectively.

**Wis., Appleton** — Outagamie Co. Hy. Comn., vibrolithic concrete paving Dodge St. in Kaukauna, to McCarthy Constr. Co., Kaukauna, $18,391; and Shiocton-Bear Creek Rd., Project 3980, to Norder & Tate, Bear Creek, $29,123.

**Wis., Fond du Lac**—Fond du Lac Co. Hy. Comn., grading, etc., Marblehead-County Line Rd., Application 149, and Rosendale Center-Dodd School Rd., Application 219, to A. Mews, Auburndale, $13,205 and $14,223 respectively; Rogersville-Eldorado-North County Line Rd., Application 221, to A. J. Heagle, Oakfield, $18,845; Brandon-Kohls Corners Rd., Application 164, to Wilkinson & Braatz, Waupun, $17,888. Grand total $64,161.

**Wis., Madison**—H. C. Buser, city clk., to J. F. Icke, Washington Bldg., rein.-con. paving West Wilson St. $53,500, Spaight St., $66,500, Fox Ave. $5,750, Main St. $8,400, and Mason St. $4,900; to O'Dea & Schafer, Gen. Del., Chadbourne Ave. $3,150, Prospect Ave. $3,700; to N. Quinn, 515 West Johnson St., St. Paul Ave. and 2nd St. $9,560. Grand total $155,460. Noted May 21.

**Wis., Milwaukee** — Dept. Pub. Wks., to Czerwinski Constr. Co., 775 National Ave., concrete surfacing Freemont Pl. between Adams and Howell Ave. $7,463, 7 in. vibrolithic concrete paving Atkinson Ave. between 27th St. and Hempstead Ave. $49,454, Vienna Ave. between 1st St. and Green Bay Ave., $28,459; to Badger Constr. Co., 97 Wisconsin Ave., asphalt resurfacing 11th Ave. between National and Greenfield Aves. $20,102, 27th St. between Grand Ave. and Cedar St. $4,923; to R. H. Gumz, 831 13th Ave., vibrolithic concrete paving Montana St. between Pine and Howell Aves., $15,754; to F. Blodgett, 521 Newton Ave., concrete paving 5 alleys $19,881; to Bodemann Constr. Co., 691 48th St., 2 alleys $4,536, to Parkinson Constr. Co., 322 27th St., 1 alley $1,948. Grand total $155,279. Noted May 7.

**Wis., Milwaukee**—R. E. Stoelting, comr. Dept. Pub. Wks., to W. F. Hunt, 405 Bway., vibrolithic concrete paving, etc., Lake St. between 14th and 19th Sts. $39,477, Burleigh St. between 27th and 35th Sts. $29,500, Edgewater Ave. and Humboldt Ave. E. $6,673, Lincoln Ave., etc., $41,397, to J. Bluhm & Son, 1298 Achilles Pl., 57th St. between Vliet and Vine Sts. $20,235, to Kroenig Constr. Co., 39th Ave. and Mitchell St., Holt Ave., etc., $130,471, to A. Retzlaff, 868 Island Ave., east half of 60th St., $6,522; to Badger Constr. Co., 78 Wisconsin St., asphalt paving 11th St. between State St. and Grand Ave., $17,771; to A. Schroeder, 20th St. and Atkinson Ave., grading, etc., 23rd St. between Lake and Hope Sts., $6,736, and 25th St. between Lake and Franklin Sts., $6,329. Grand total $305,111. Noted May 7 and 21.

**Ia., Ida Grove** — Ida Co., grading, etc., 114,000 cu.yd. Battle Creek-Cushing Rd., to G. W. Condon, 510 Farnum Bldg., Omaha, Neb.

**Minn., Moorhead**—R. G. Price, city clk., 7.5 in. rock concrete paving 7th St. S. between 1st and 9th Aves., to W. E. Kennedy Co., 7 Bway., Fargo, N. D., $37,892. Noted Apr. 20.

**Minn., St. Cloud** — Bitulithic concrete paving 32 blocks various streets, to McCann, Hibbing, $162,970. Noted Apr. 2.

**Minn., St. Paul** — H. W. Austin, city purch. agt., sheet asphalt paving about 11,022 sq.yd. Wheelock Parkway, to Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., $49,488. Noted Apr. 23.

**Neb., Tecumseh** — W. J Devenney, city clk., City Hall, May 5, curbing, guttering and 6 in. rein.-con. surfacing 10,212 yd. streets in Dists. 2 and 3, to Asplund Constr. Co., Tecumseh, $35,497. Noted Apr. 23.

**Neb., Wymore** — J. M. Fiesselman, city clk., grading, curbing and 1.5 in. Willite asphalt on 3.5 in. black paving 8,500 sq.yd., Dist. 6, to J. B. Watts, Concordia, Kan., $34,917, incl. engineering costs. Noted May 7.

**Wyoming** — State Hy. Dept., Cheyenne, grading and constructing 56 ft. I-beam bridge, on Upton-Moorcroft Rd., Federal Aid Project 185-A, Weston Co., to R. L. Wiley, Gillette, $19,568; grading, bridging and surfacing 9 mi. Cheyenne-Torrington Highway, Federal Aid Project 182-A, Goshen Co., to F. McCarter, Bayard, Neb., $64,019; grading, surfacing and constructing 4 timber bridges on Gillette-Arvada Rd., Federal Aid Project 181-A, Campbell Co., to Watts Bros., Constr. Co., Buffalo, $50,496; grading and culverts on 10.8 mi. Bosler-Wheatland Rd., Federal Aid Project 172-B, Albany Co., to Keahey & Son, Wheatland, $21,182; grading and constructing 1 concrete culvert on 5.6 mi. Rawlins-Parco Rd., Federal Aid Project 186-A, Carbon Co., to H. Larsen, Rawlins, $21,266; grading and culverts on 22 mi. Green River Evanston Rd., Federal Aid Project 180-A, Sweetwater Co., to F. A. Bundy, Cheyenne, $72,370, 25 mi. Casper-Muddy Gap Rd., Federal Aid Project 164-B, Natrona Co., to Sharrock & Pursell, Casper, $48,333. Grand total $297,234.

**Mo., Clayton**—Eight Thousand Realty Co., c/o E. Davis Realty & Mortgage Co., 1101 Locust St., St. Louis, grading, curbing and 6.5 in. concrete paving North, South and Clayton Rds. in Davis Place Subdivision, here, to Fehlig-Ferrenbach Constr. Co., 3500 Hickory St., St. Louis. Engrs. est. approximately $100,000.

**Mo., St. Louis**—Bd. Pub. Wks., to Eyermann Constr. Co., 1216 South Grand Blvd., concrete curbing and paving 1,645 sq.yd. Alabama Ave. $7,470, granite curbing and concrete paving 3,910 sq.yd. Spring Ave. $17,374, vibrolithic concrete paving Shenandoah St., $21,214; to Skrainka Constr. Co., Security Bldg., granite curbing and rein.-con. paving 2,795 sq.yd. Christian Ave. $13,083, concrete curbing and rein.-con. paving 640 sq.yd. Newport Court, $3,274; to Parkinson Bros. Constr. Co., 3237 Carter Ave., granite curbing and concrete surfacing 1,820 sq.yd. Veronica St., $9,313; to Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., granite curbing and asphaltic concrete paving 675 sq.yd. Berthold St. $4,069,840 sq.yd. Kuhs Pl., $5,430, 1,750 sq.yd. Ponce St., $7,900, 1,845 sq.yd. San Francisco St. $11,544, asphalt paving 1,475 sq.yd. Nebraska St., $5,150; to Webb-Boone Paving Co., 5121 Fyler Ave., asphaltic concrete paving Illinois Ave., $7,272, granite curbing and asphaltic concrete paving 1,350 sq.yd. Louisiana St., $8,622; to Central Paving & Constr. Co., 6161 Maple Ave., Willite paving 956 sq.yd. Gardenville Ave. $7,193, and 5,745 sq.yd. Shenandoah St., $23,865. Grand total $152,765. Noted Apr. 16.

**Ark., Little Rock**—Grading, curbing and bitulithic on concrete surfacing streets in Dist. 411, to Gregory & Wilson, Southern Trust Bldg., Little Rock, $41,213.

**Tex., Dallas** — Curbing and guttering various streets in new 74 acre residential district (not yet named), to J. F. Ketchey Cement Sidewalk Constr. Co., 4734 East Side, Dallas, approximately $35,000; concrete paving in same district, to R. J. Estep & Co., 812 Wilson Bldg., approximately $30,000.

**Tex., Franklin**—Robertson Co., grading and bridging 1.37 mi. State Highway 6, Federal Aid Project 401-B and C, 26 ft., to Montgomery & Minter, Willis, $28,714. Engrs. est. $30,000. Noted Apr. 16.

**Tex., Galveston**—Improving 20th Ave., Avenues G, D, H, O and to H. J. Hetkes, 3113 R ½, Galveston, $91,171. Engrs. est. $95,000.

**Tex., Hebbronville**—Jim Hogg Co., clearing, grubbing, grading, bridging and caliche surfacing 5.49 mi. State Highway 12-A, Federal Aid Project 436-G, to W. W. Vann, Falfurrias, $25,372. Noted Mar. 26.

**Tex., Memphis** — Hall Co., grading, bridging, gravel surfacing, etc. 14,668 cu.yd. State Highway 18, State Aid Project 572, 16 ft., 10,673 lb. reinforcing, etc., to O. Spear, Alvord, $41,431. Engrs. est. $43,000. Noted Apr. 9.

**Tex., Munday**—Willite surfacing 6 blocks Ernest St., to Plans Paving Co., Wichita Falls, approximately $25,000. Noted Mar. 12.

**Tex., Smithville** — Paving 8,000 sq.yd. various streets, to W. E. Dozier, 230 Austin Natl. Bank Bldg., Austin, approximately $35,000.

**Tex., Tyler**—Smith Co., grading, curbing and brick on concrete surfacing 0.92 mi. State Highway 37, 42 ft., to McGuire & Cavender, Sherman, $77,717. Engrs. est. $50,000.

**Tex., Waco**—To Standard Paving Co., 1742 East 6th St., Tulsa, Okla., improving Bosque Blvd., Concord, Lasker, Washington and other streets, 88,795 sq.yd. asphalt using course grain aggregate at $1.38 per sq.yd., concrete at $2.49, 19,744 ft. curbing at $0.58, etc., total $266,184. Engrs. est. $275,000. Noted Feb. 26.

**Oklahoma**—State Hy. Dept., Oklahoma City, grading and concrete surfacing 7.8 mi. road east of Enid, 30 ft., Federal Aid Project 179, Garfield Co., to Hyde Constr. Co., Amer. Bank Bldg., Enid, $229,246. Engrs. est. $250,000. Noted May 21.

**Colo., Denver** — Dept. Impvts. & Parks, (e. e. means engrs. est.) asphaltic paving 12 blocks Capitol Hill Paving Dist. 17, to Levy Constr. Co., Symes Bldg., $39,663, e. e. $47,357; 12 blocks in Dist. 18, to Western Paving Constr. Co., 5230 Washington St., $44,686, e. e. $52,664; 12 blocks in Dist. 19, to New Mexico Constr. Co., 4015 Galapago St., $45,470, e. e. $54,137; and 12 blocks in Dist. 20, to Allied Contractors, Majestic Bldg., $50,330, e. e. $60,160. Noted Apr. 23.

**Arizona**—W. C Lefebvre, state highway engr., Phoenix, improving Tuscon-Nogales Highway, Federal Aid Project 86-A, to Downer & Fredell, Flagstaff, for State Hy. Dept. $122,422. Noted Apr. 23.

**Wash., Montesano** — Grays Harbor Co., clearing and grubbing 3.4 mi. Permanent Highway 28, to J. M. Webb, Montesano, $27,775. Engrs. est. $30,000.

**Wash., Seattle**—Bd. Pub. Wks., paving 44th Ave. S. W. et al., to J. B. Covello, 1510 16th St., $124,067; North 35th Ave. et al., to McHugh & Coluccio, 517 3rd St., $28,431; 5th Ave. N. E. et al., to F. N. Badolato, Box 561, $25,951. Grand total $178,449.

**Oregon**—State Hy. Dept., Salem, grading 8.15 mi. Redwood Highway, Josephine Co., to Dunn & Baker, Hornbrook, Calif., $58,395, 7.59 mi. Flora Highway, Walla Walla Co., to Morrison & Knudson, Railroad and Reclamation Aves., Boise, Idaho, $51,818. 2.46 mi. Roosevelt Highway, Lincoln Co., and 4.56 mi. Roosevelt Highway, Douglas Co., to Joplin & Eldon, Portland, $63,910 and $66,527 respectively; crushed stone surfacing 18.96 mi. Oregon Trail, Union and Baker Counties, to A. D. Kern, Portland, $108,190; broken stone surfacing 8.64 mi. Prineville Lake View Highway, Lake Co., to H. J. Hildebrand, Roseburg, $47,015; paving 8.9 mi. Columbia Highway, Clatsop Co., to Simonson & Hefty, Portland, $261,402, 2.73 mi. Blachly Sect. Florence Highway, Lane Co., to K. C. Hall, Eugene, $40,530. Grand total $697,787.

**Oregon**—State Hy. Comn., Salem, grading, etc., 12.36 mi. John Day Highway, Baker and Malheur Counties, to K. L. Goulter, Port Angeles, Wash., $172,891; widening roadbed 2.58 mi. Old Oregon Trail, Umatilla Co., to Swartley Bros., Corvallis, $85,649; concrete paving, etc. 4.2 mi. highway in Linn and Lane Counties, to G. W. Reed, Eugene, $105,207; broken stone surfacing 8.2 mi. Alsea Highway, Benton and Lincoln Counties, to Cummins & Wright, McMinville, $48,225, and 19.34 mi. The Dallas California Highway, Deschutes Co., to A. M. McDonnell & Co., Portland, $142,430. Grand total $554,402.

**Calif., Arcadia** — Oil macadam paving, curbing, etc., 4th Ave. between Duarte and Valenett St., and portions Fairview Ave. and Huntington Dr., to J. M. Shull Co., Riverside, approximately $25,400.

**Calif., Ceres**—Improving 4th, 5th, Parker Sts., etc., 113,215 ft., 5 in. concrete paving, 88,368 sq.ft. grading, etc., to T. Beresford, P. O. Box 1026, Richmond, $30,205.

**Calif., Chico**—Curbing, sidewalks, etc., in Chapmantown Section, to C. W. Cushing, 2005 Roosevelt Ave., Richmond, approximately $35,000.

**Calif., Compton** — Improving Compton Ave., Kemp St., etc., to G. H. Oswald, 366 East 58th St., Los Angeles, approximately $100,200. Noted Apr. 23.

**Calif., Glendale**—For 3 in. oil macadam paving 105,500 sq.ft. Eaton, Orchard Sts., etc., to C. L. Hill, 516 South Glendale Ave., $37,505.

**Calif., Los Angeles**—Improving Canyon Dr., Wilshire Blvd. etc. in Beverly Hills section, to J. L. McClain, 3452 West Slauson Ave., $34,145. Noted Feb. 5.

**Calif., Los Angeles**—Los Angeles Co., improving San Gabriel Blvd., (City Boundary Impvt. 11), 13,415 sq.yd. 2 to 3 in. asphalt on 6 in. macadam paving, 80,000 sq.ft. cement sidewalks, etc., to Johnson & Sons, 4183 Normandie Ave., Los Angeles, $71,546.

**Calif., San Bernardino**—Paving, curbing, sidewalks, etc., on portions of H St., Moun-

Streets and Roads (Continued)

tain View and Mt. Vernon Aves., etc., to G. Herz & Co., San Bernardino, approximately $475,000.

**Calif., San Bernardino**—San Bernardino Co., 6 in. macadam paving, with 4 ft. graded shoulder on each side Ely St., to Pierson & Dickerson, Riverside, $29,917.

**Calif., Santa Barbara**—Grading, curbing, guttering and 1½ in. asphaltic concrete surface paving Santa Barbara St. between Carrillo and New De La Guerra Sts., to Cornwall Constr. Co., 227 Equestrain St., $52,195.

**Calif., Santa Monica**—Asphaltic concrete paving, warrenite bit. surfacing, curbing, etc., Marine St., to Kneen Paving Co., Dudley Blk., $45,588.

**Calif., Stockton**—Improving East Main St., to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, $75,802. Noted Apr. 16.

**Ont., Kitchener**—Cement paving various streets, to J. Schultz, 15 Sterling Ave., $50,000.

**Ont., St. Thomas** — Cement and asphalt paving various streets, to Standard Paving Co., Central Chambers, Ottawa, $50,000.

**Ont., Stratford**—A. B. Manson, city engr., concrete paving various streets, to Brennan Paving Co., 100 Melrose Ave., Hamilton, $70,000.

## Buildings—Industrial

### PROPOSED WORK

**Vt., Manchester Depot**—PLANT—N. D. Cass Co., 62 Canal St., Athol, Mass., plans reconstructing plant, recently destroyed by fire. $125,000. Engineer and architect not selected.

**Mass., Brockton** — FACTORY — T. D. Barry & Co., Court St., plans shoe factory, Court St. $40,000 or more. Engineer and architect not selected.

**Mass., Malden** (Boston P. O.)—PLANT—Boston Rubber Shoe Co., 130 Essex St., Boston, plans reconstructing plant recently destroyed by fire Commercial St. here. $40,000 or more. Engineer and architect not selected.

**Mass., Quincy** (Boston P. O.)—REPAIR and SERVICE GARAGE—Owner, c/o H. A. Mears, archt., 120 Tremont St., Boston, having preliminary plans prepared 2 story, brick repair and service garage. $40,000.

**Conn., East Hartford** (br. of Hartford) —FREIGHT TERMINAL—See "Railways under Connecticut."

**N. Y., Long Island City**—PLANT—J. D. Johnson Co., Inc., 5th and Washington Aves., having plans prepared by Moore & Landsiedel, archts. and engrs., 148th St. and 3rd Ave., New York City, 1 story, 100 x 190 ft., rein.-con., brick and steel storage plant, plain foundation, 5th Ave. $75,000.

**N. Y., New York** — FACTORY — R. G. Cory, engr. and archt., 30 Church St., takes bids about June 15, 6 story, rein.-con., brick and steel, plain foundation, Varick St., for Denver Chemical Mfg. Co., 20 Grand St. $200,000.

**Md., Highlandtown** (Ind. Sta. Baltimore) —PLANT—A. Weiskittel & Sons Co., Lombard and 12th Sts., plans rebuilding boiler and engine rooms, foundry, etc., recently destroyed by fire. $200,000 damage.

**Fla., Tallahassee**—POWER PLANT—See "Dams."

**O., New Philadelphia**—POWER PLANT —City plans new power plant. $50,000-$60,000.

**Mich., Essexville**—PLANT—Aetna Portland Cement Co., 412 Union Trust Bldg., Detroit, having plans prepared rein.-con. and steel addition, plain foundation. $1,000,000. Private plans.

**Ill., Bartonville** — SUB-STATION — See "Unclassified."

**Ill., Peoria**—WAREHOUSE and OFFICE —Isaac Walker Hardware Co., 514 South Washington St., plans rebuilding 4 and 5 story and basement, rein.-con., brick and steel, plain foundation, 514 South Washington St., recently destroyed by fire and storm. $150,000. Engineer and architect not selected.

**Wis., Park Falls** — SAW MILL — Park Falls Lumber Co., owned by E. Hines Lumber Co., 2431 South Lincoln St., Chicago, Ill., decided not to rebuild saw mill recently destroyed by fire. Noted May 21.

**Wis., Racine** — FOUNDRY — Lakeside Malleable Casting Co., 23rd and Clark Sts., plans 1 story, 80 x 300 ft., brick and steel, plain foundation, 23rd St. Engineer and architect not selected. This corrects report in Apr. 23 issue.

**Mo., Kansas City**—BAKERY—Campbell Baking Co., 3219 Troost Ave., owned by Continental Baking & Milling Corp., 6 North Michigan Blvd., Chicago, Ill., having plans prepared 3 story and basement, 148 x 190 ft., rein.-con. addition plain foundation, 30th and Troost Aves. $300,000. Private plans.

**Tex., Dallas**—PLANT—C. R. Miller Mfg. Co., c/o C. R. Miller, pres., 622 Santa Fe Bldg., having plans prepared brick, steel and stone flexible plant 180 yds. per minute capacity. $45,000. Robert & Co., Red Cross Bldg., engrs. Noted Feb. 5.

**Tex., Pecos**—PLANT and COMPRESS—B. Hester, Pecos, plans cotton compress and fumigating plant, brick and rein.-con. $60,000.

**Tex., Plainview** — MILL — W. P. Allen, 609 Griffith St., Terrell, and J. M. Hardaway having tentative plans prepared oil mill, brick and concrete, here. $125,000. Private plans.

**Tex., San Antonio** — BAKERY — Campbell Baking Co., 30th and Troost Sts., Kansas City, Mo., E. C. Carlson, 5632 Bell St., branch mgr., making tentative plans rein.-con., brick and stone, bakery, 60,000 loaves per day capacity. $250,000.

**Tex., Victoria** — ELECTRIC LIGHT PLANT—See "Waterworks."

**Calif., Long Beach** — PLANT — Natl. Bakery, 1790 Locust St., had plans prepared part 1 and 2 story, 100 x 117 ft., brick and steel, on Daisy Ave. To exceed $40,000. Private plans.

**Calif., Los Angeles**—FACTORY—Davenport Mfg. & Implement Co., 1032 East 1st St., having plans prepared group of buildings, incl. 1 story main building; 2 story, 90 x 150 ft. sample, storage, setting up buildings, steel plant, foundry and woodworking shop, brick and steel, Atlantic and Manchester Aves. Owner will probably construct by day labor. Private plans.

**Calif., San Andreas**—PLANT—Calaveras Cement Co., 900 California Commercial Bldg., San Francisco, had plans prepared 4,000 bbl. cement plant. G. B. Poor, c/o owner, consult. engr. Southern Pacific R.R. Co., 65 Market St., San Francisco, plans 11 mi. railroad in connection with above project, to run from Valley Springs to plant. $2,000,000.

**Calif., Watsonville**—PLANT—Union Ice Co., 354 Pine St., San Francisco, having plans prepared by Davis-Heller-Pearce, Inc., Delta Bldg., Stockton, cold storage and ice plant, rein.-con., here. $350,000. Noted Aug. 26.

**B. C., New Westminister**—PLANT, etc.—Frye & Co., 9th and Walker Sts., Seattle, Wash., having plans prepared cold storage plant and packing house at Safferton, near here. $500,000. Private plans.

**B. C., Vancouver**—MILL—Robertson & Hackett Co., False Creek, near here, plans rebuilding lumber mill, recently destroyed by fire. $300,000 loss.

### BIDS DESIRED

**Mass., Framingham** — FACTORY — Dennison Mfg. Co. taking bids 2 story, 60 x 130 ft., brick and steel factory. $70,000. Bigelow & Wadsworth, 3 Hamilton Pl., Boston, archts.

**Mass., Lynn**—SHOP and GARAGE—Bureau Water Com. taking bids 2 story, 50 x 142 ft., rein.-con., shop, garage and storage building, Bennett St. $75,000. R. F. Hand, City Hall, archt. Noted May 14.

**R. I., Providence** — SWITCH HOUSE — Narrangansett Electric Lighting Co., taking bids 4 story, 25 x 30 ft., brick and stone extension, Eddy St. Jenks & Ballou, 10 Weybossett St., engrs.

**Ga., Fayetteville** — POWER PLANT — June 1, by Mayor and City Council, electric light plant and waterworks, incl. 9½ mi. transmission line, tank on tower, deep well, pump, generators, motors, engines, pipe line, etc. J. M. McCrary, Citizens & South Bank Bldg., Atlanta, engr.

**Calif., Long Beach**—PLANT—Natl. Baking Co., 1790 Locust St., taking bids part 1 and 2 story, 100 x 120 ft., brick and steel, Daisy St. Private plans. Noted May 28.

**Que., Thurso**—PLANT—Singer Mfg. Co., Thurso, taking bids 2 mills. Noted Jan. 22.

### CONTRACTS AWARDED

**Mass., Boston** — GARAGE and REPAIR SHOP—S. S. Pierce Co., 25 Jersey St., 2 story, 90 x 130 ft., flat slab rein.-con. garage and repair shop, to Morton C. Tuttle Co., 862 Park Sq. Bldg.

**Mass., Cambridge** (Boston P. O.)—REPAIR and SERVICE GARAGE — Dunster Realty Co., c/o E. B. Stratton, archt., 25 Arch St., Boston, 1 story, 70 x 120 ft., rein.-con. and brick addition, Mt. Auburn and Boylston Sts., to Turner Constr. Co., 178 Tremont St., Boston. Archts. est. $60,000. Noted Apr. 16.

**Mass., Great Barrington**—REPAIR and SERVICE GARAGE—J. T. Harper, 1 story, rein.-con., Main and Bridge Sts., to J. R. Hampson & Co., Inc., 184 North St., Pittsfield. Archts. est. $40,000.

**Mass., Hyde Park** (Boston P. O.) — STORAGE—Taleston & Hollingsworth, 862 River St., 2 story and basement, rein.-con. and steel plain foundation, 592 River St., to M. C. Tuttle, Park Sq. Bldg., Boston. Archts. est. $150,000.

**Mass., Hyde Park** (Boston P. O.) — WAREHOUSE, etc.—Tileston & Hollingsworth, 862 River St., 2 story and basement, 100 x 120 ft. rein.-con. and steel warehouse, and 2 story, 25 x 80 ft. deinking building, concrete and steel, etc., to Morton C. Tuttle Co., 862 Park Sq. Bldg., Boston.

**R. I., Providence** — GARAGE — Amer. Radiator Wks., 216 Aborn St., 1 story, 50 x 200 ft., brick and steel, Aborn St., to J. E. Cole, 1046 Cranston St. Archts. est. $75,000.

**Conn., Milldale**—FACTORY—Clark Bros. Bolt Co., 1 story, 45 x 125 ft., brick addition, to Immick Co., State St., Meriden. Archts. est. $40,000.

**Conn., Mystic** — MILL — Sadonia Mills, Industrial Pl., 1 story, 105 x 150 ft., brick and steel mill, to Pardy Constr. Co., 1481 Seaview Ave., Bridgeport. Archts. est. $45,000.

**N. Y., New York**—POWER PLANT—New York Edison Co., 15th St. and Irving Pl., general contract 7 story, 207 x 1,100 ft., rein.-con. and brick, 14th St., to Kenn-Well Contg. Co., 45 East 17th St., engrs. est. $50,000,000; erecting steel to Post & McCord, 101 Park Ave., est. $2,000,000.

**N. J., Newark** — FACTORY — Pittsburgh Plate Glass Co., Chester Ave., 5 story, rein.-con., brick and steel, plain foundation, Chester Ave., to Dwight P. Robinson, 125 East 45th St., New York City, Archts. est. $200,000.

**Pa., Phila.**—PLANT—Harris & Richards, archts., Drexel Bldg., 1 story and gallery, 120 x 250 ft., 23 x 142 ft. and 79 x 231 ft. wings, 15 x 250 ft. train shed and 50 x 58 ft. dry kiln, rein.-con. and brick additions to Building 4, plain foundations, Elmwood Ave. between 68th and 70th Sts., to Turner Constr. Co., 1713 Sansom St., for General Electric Co., Witherspoon Bldg. Noted May 14.

**Pa., Phila.**—WORKSHOP—Phila. Storage Battery Co., Ontario and C Sts., 1 story and basement, 40 x 100 ft. workshop, to G. H. Evans, 105 North 13th St.; also 3rd and 4th story rein.-con. and brick addition, plain foundation, to Stewart Bros., 2526 North Orkney St., archts. est. $45,000.

**Pa., Pittsburgh**—FACTORY—Auto Truck Equipment Co., 7511 Pennsylvania Ave., 2 story and basement, concrete and steel addition, Meade St., to Taylor Meyer Co., 811 Keystone Bldg. Archts. est. $40,000.

**Pa., Retreat**—POWER HOUSE—Luzerne Co. (Wilkes-Barre), will build 1 story and basement, 45 x 90 ft., brick, plain foundation at Luzerne Co. Mental Hospital, here. Work will be done by day labor under supervision of L. T. Klauder, engrs., Bankers Trust Bldg., Philadelphia.

**Mich., Pontiac**—PLANT—Wilson Fdry. & Machine Co., South Saginaw and Wilson Sts., 3 story, 100 x 400 ft., rein.-con. and brick assembly plant, and 1 story, 60 x 200 ft., concrete and brick test building, South Saginaw St., to Pryale Constr. Co., 701 Pontiac Commercial & Savings Bank Bldg. Archts. est. $1,000,000.

**Mo., Kansas City**—FACTORY—Burlington Overall Mfg. Co., 900 Washington St., will build (2nd unit) 3 story and basement, 50 x 132 ft., brick, plain foundation, 9th and Washington Sts., by day labor. $50,000. Greenebaum, Hardy & Schumacher, Scarritt Bldg., archts.

**Mo., St. Louis**—PLANT—Laclede Gas Light Co., 11th and Olive Sts., 12,000,000 cu.ft. liquid purification plant, three 10 in. and two 7 in. gas producers, etc., to Koppers Co., Union Trust Bldg., Pittsburgh, Pa.

**Mo., St. Louis** — FACTORY — A. Manheimer & Co., 14th St. and Locust Blvd., will build 2 story and basement, 46 x 145 ft., rein.-con. and brick, Cook Ave., by day labor under supervision of B. J. Charleville, archt., 312 Calumet Bldg. $65,000.

**Mo., St. Louis**—SUB-STATION—Union Electric Light & Power Co., 12th and Locust Blvds., 1 story and basement, 37 x 43 ft., and 20 x 80 ft., rein.-con. and brick, Kingshighway, to Fruin Colnon Constr. Co., Merchants-Laclede Bldg.

**Calif., Bakersfield**—PACKING PLANT—Di Giorgio Farms Co., Inc., 1 story, 128 x 320 ft., concrete and timber packing plant, to Graham & Son, Dinuba, $47,500.

**Calif., Delano**—PACKING PLANT—Earl Fruit Co., 1 story, 125 x 200 ft., concrete and timber plant, to Graham & Son, Dinuba, $47,000.

## Buildings—Commercial

### PROPOSED WORK

**Mass., Allston** (Boston P. O.)—STORE—H. and L. Dana, 20 Pemberton Sq., Boston, having plans prepared by F. A. Norcross, 46 Cornhill St., Boston, 3 story and basement, brick, 182-188 Harvard Ave., here. $150,000.

**Mass., Boston** — HOTEL — C. H. Blackall, 20 Beacon St., having sketches made by Blackall, Clapp & Whittemore, 20 Beacon St., 17 Story and basement, brick and limestone Tremont St., opposite Hollis St. $2,000,000.

**Mass., Boston**—MARKET—City plans reconstructing 1 story and basement, market recently damaged by fire. $150,000 appropriated. Engineer and architect not selected.

**Mass., Boston**—OFFICE and STORE—Bowdoin Square Co., R. M. Dobbins, 209 Washington St., having plans prepared by R. H. Doane, 162 Newbury St., 2 story and basement, 11,000 sq.ft. floor space, brick and stone, Court and Bulfinch Sts. $150,000.

**Mass., Boston**—STORE and GARAGE—S. Lebowich (lessee) 277 School St., plans remodeling and constructing 2 or more story and ramp garage, Columbus Ave., Bway., Elliot and Stuart Sts. for Estate E. B. Jordan. To exceed $150,000. Engineer and architect not selected.

**Mass., Cambridge**—WAREHOUSE—G. E. Prebble, 485 Massachusetts Ave., having sketches made by W. E. Cotter, store and warehouse, 798 Massachusetts Ave. $150,000 or more.

**Mass., Lynn**—TEMPLE—Temple Bethel, H. Yozell, chn. com., raising $150,000 funds, brick and stone, Breed and Lewis Sts. Engineer and architect not selected.

**Mass., Quincy** (Boston P. O.)—TEMPLE—Masonic Building Assn., Inc., A. E. Sargent, chn., raising $30,000 funds for 2 or more story masonic temple, Hancock St. Engineer and architect not selected.

**Mass., Quincy** (Boston P. O.)—THEATRE — Natl. Theatre, c/o Tuck & Co., archts., 636 Warren St., Roxbury, having plans prepared 2 story and basement, 60 x 200 ft., brick and steel, Hancock and Beals Sts. $180,000.

**Mass., West Medford** (Boston P. O.) — APARTMENT — Brentwood Court Corp., c/o Whitten & Gore, archts., 31 Milk St., Boston, having plans prepared 3 story and basement, 112 x 136 ft., rein.-con., brick and stone, plain foundation. $250,000.

**R. I., Olneyville** (Providence P. O.) — BUSINESS and THEATRE—J. Conn, c/o Gaiety Theatre, Westminster St., Providence, plans business building and theatre, Bway. and Westminster St., here. $250,000. Engineer and architect not selected.

**R. I., Providence**—APARTMENT—Puritan Developmen' Corp., having plans prepared by W. I. Hohauser, 1400 Bway., New York City, 6 story and basement, rein.-con., brick and steel, Angell and Wayland Aves. $750,000.

**Conn., Danbury** — DORMITORY — State Normal School having plans prepared by Sunderland & Watson, 248 Main St., new dormitory, White St. $300,000. Noted Feb. 12.

**Conn., Hartford** — APARTMENT and STORE — W. Rulnick, 91 Magnolia St., having plans prepared by Berenson & Moses, 30 Allyn St., 3 story and basement, 70 x 130 ft. brick and steel, Albany Ave. $150,000.

**Conn., Stamford** — WAREHOUSE — W. Schoeffer & Son, 30 Worth St., soon takes bids 4 story and basement, 50 x 100 ft., brick and steel, plain foundation, Worth St. $150,000. Moores & Dunford, 110 East 42nd St., New York City, archts. Noted Apr. 2.

**N. Y., Brooklyn** — APARTMENT — A. Klein, c/o E. M. Adelsohn, archt. and engr., 1776 Pitkin Ave., having plans prepared 4 story, 100 x 106 ft., brick, steel and stone, plain foundation, Troy Ave. and Montgomery St. $200,000.

**N. Y., Buffalo**—STORE—E. W. Edwards & Son, 460 Main St., plans store, Genesee and Mohawk Sts. To exceed $500,000.

**N. Y., Long Island City**—THEATRE, OFFICE and STORE—Murtha Realty Corp., A. J. Kerwin, pres., c/o W. H. Birkmires Sons, archts., 1819 Bway., New York City, having plans prepared brick, steel and stone, plain foundation, Crescent St. $200,000.

**N. Y., New York** — HOSPITAL and NURSES HOME—Bellevue & Allied Hospitals, foot East 24th St., having preliminary plans prepared by Starrett & Van Vleck, archts. and engrs., 393 7th Ave., brick, steel and stone, plain foundation, Gouverneur Slip. $250,000.

**N. Y., New York**—LOFT—J. C. Forster, 724 8th Ave., plans 16 story, 100 x 107 ft. loft building, 438 West 38th St. Engineer and architect not selected.

**N. Y., New York** — LOFT — Lee Investment Co., W. Berman, pres., c/o H. I. Feldman, archt. and engr., 562 5th Ave., having plans prepared 16 story, brick, steel and stone, plain foundation, 319 West 39th St. $1,000,000.

**N. Y., New York**—OFFICE—A. Heckscher, 50 East 42nd St., plans 15 story, brick, steel and stone, plain foundation, Park Ave. and 56th St. $3,000,000.

**N. J., Asbury Park**—HOTEL—T. H. Beringer, Jr., et al., Deal, having plans prepared by Warren & Wetmore, 16 East 47th St., New York City, 7 story hotel, 200 ft. along Ocean Ave., here. $1,000,000.

**N. J., Atlantic City**—APARTMENT—C. H. Fries, archt., Drexel Bldg., Phila., Pa., preparing plans 6 story and basement, 60 x 125 ft., brick and steel, Chelsea Ave. $275,000. Owners name withheld.

**N. J., Jersey City**—BANK and OFFICE—Universal Security Co., Concourse, soon takes bids 8 story, 25 x 50 ft. brick, steel and stone, plain foundation, Hudson Blvd. Clinton & Russell, 100 Maiden Lane, New York City, archts. and engrs.

**Pa., Erie** — BANK and OFFICE — Erie Trust Co., had plans prepared by Dennison & Hirons, 288 Lexington Ave., New York City, 20 story, brick, steel and concrete.

**Pa., Fox Chase** (Phila. P. O.) — HOSPITAL and INFIRMARY — Society of Friends, 15th and Race Sts., Phila., have plans prepared by Heacock & Hokanson, 1211 Chestnut St., Phila., Jeannes Memorial Hospital and Infirmary, at Stapley Farms, near here. $1,000,000.

**Pa., Phila.**—BANK—Phila. Savings Fund Society, 700 Walnut St., plans 132 x 164 ft. bank, 12th and Market Sts.

**Pa., Phila.**—HOSPITAL—Pennsylvania Hospital, 8th and Spruce Sts., plans hospital addition. $200,000. Zantzinger, Borie & Medary, Otis Bldg., archt.

**Pa., Phila.**—HOSPITAL—Pennsylvania Hospital Dept., Mental & Nervous Diseases, 49th and Market Sts., plans hospital addition. $200,000. A. H. Brockie, 254 South 5th St., archt.

**N. C., Winston-Salem**—HOSPITAL—Bd. Comrs. Forsyth Co., election June 16, $200,000 bonds, for tuberculosis hospital. O. B. Eaton, Winston-Salem, chn.

**Fla., Davenport** — HOTEL — Holly Hill Groves & Fruit Co., L. A. Wilson, pres., 772 West Bay St., plans 7 story hotel, Wilson Park. $400,000,

**Fla., Haines City**—HOTEL—R. Polk & associates having plans prepared by F. Wallick, 308 Hume-Mansur Bldg., Indianapolis, Ind., 9 story hotel, Hinson Ave. between 8th and 9th Sts. $260,000.

**Fla., Okeechobee** — COURT HOUSE — Legislature authorized Okeechobee Co. to construct court house. $200,000. J. G. Hyde, Miami, archt.

**Fla., St. Petersburg**—HOTEL—E. C. McBride, St. Petersburg, soon lets contract 11 story, 57 x 130 ft., 7th Ave. and Handly Ave. $250,000. W. Powell, Tampa, archt.

**Fla., St. Petersburg** — OFFICE — West Coast Holding Co., J. M. Brown, chn. building com., having plans prepared by F. J. Kennard & Son, Kraus Bldg., Tampa, 10 story and basement, brick, 4th Ave. N. $400,000.

**Tenn., Chattanooga**—BANK and OFFICE—Chattanooga Savings & Trust Co., plans modern bank and office building, Broad and Market Sts. $300,000.

**O., Cleveland** — APARTMENT — Park-Overbrook Realty Co., c/o G. Ebeling, archt., Hunkin-Conkey Bldg., having preliminary plans prepared 4 story and basement, 66 x 130 ft., brick and steel, Park Lane. $250,000.

**Ind., Elwood**—HOSPITAL—Sisters of St. Joseph, Tipton, having plans prepared by D. A. Bohlen & Sons, 1001 Majestic Bldg., Indianapolis, 2 story and basement, 66 x 140 ft., rein.-con., brick and steel, plain foundation. $150,000.

**Mich., Detroit** — APARTMENT — F. M. Shimmack, Rochester, having plans prepared by F. J. Winter, 2331 Dime Bank Bldg., 4 story and basement, 83 x 203 ft., brick and steel, plain foundation, Grand River Ave. $375,000.

**Mich., Detroit** — APARTMENT — Miller Palmer Subdivision, c/o C. E. Schley archt., 1121 Lafayette Bldg., having plans prepared 4 story and basement, 120 x 180 ft., brick, steel and stone, plain foundation, Palmer Ave. $200,000.

**Mich., Detroit**—OFFICE—Maccabees, A. W. Frye, Supreme Commander, Woodward and Putnam Aves., having plans prepared by A. Kahn, 1,000 Marquette Bldg., 10 and 14 story, rein.-con., brick and steel, plain foundation, Woodward Ave. $2,500,000.

**Mich., Detroit**—Y. M. C. A., A. G. Studer, genl. secy., Y. M. C. A. Bldg., plans 7 branch buildings rein.-con., brick and steel, incl. swimming pools, etc., in various sections of city. $5,500,000. Engineer and architect not selected.

**Mich., Flint** — COURTHOUSE—Supervs. Genessee Co. having plans prepared by E. D. Madison, Royal Oak, 3 story and basement, 79 x 171 ft., rein.-con., brick and steel, plain foundation. $750,000.

**Mich., Jackson**—OFFICE—R. W. Reynolds, 176 Michigan Ave., having preliminary plans prepared by A. Kahn, 1000 Marquette Bldg., 14 story and basement, about 75 x 110 ft., rein.-con., brick and steel, plain foundation, West Michigan Ave.

**Ill., Chicago**—APARTMENT—Clifford & Weisfeld, 111 Washington St., having plans prepared by Koenigsberg & Weisfeld, 155 North Clark St., 4 story and basement, 80 x 152 ft., brick and stone, plain foundation, 5463 Everett St. $500,000.

**Ill., Peoria**—OFFICE—Standard Oil Co. (Indiana), Bond and Voris Sts., Peoria having plans prepared by own engineers and architects, 910 South Michigan Ave., Chicago, 3 story and basement, 100 x 100 ft., rein.-con., brick and steel, plain foundation, Jefferson and Hamilton Sts. $500,000.

**Wis., La Crosse**—HOSPITAL—Merman & Skogstad, archts., Linker Bldg., soon lets contract 5 story and basement, 40 x 100 ft., brick and concrete hospital addition, for Grandview Hospital, 1707 Main St. $150,000. Noted Jan. 29.

**Wis., Milwaukee**—APARTMENT—C. J. Keller & Son archts., 432 Bway., soon lets contract 3 story and basement, 40 x 142 ft., brick and tile, plain foundation, 15th St., for I. H. Benesch Co., 513 Van Buren St. $150,000. Noted Apr. 23.

**Wis., Milwaukee**—APARTMENT—W. J. Kozick, archt., 664 26th St., soon lets contract 4 story and basement, 47 x 131 ft., brick and steel, plain foundation, 15th St., for Priebe Realty Co., 3401 Highland Blvd. $160,000. Noted Apr. 9.

**Ia., Davenport**—COMMUNITY HOUSE—Davenport Friendly House Society having plans prepared by Clausen, Kruse & Klein, 910 Kahl Bldg., 3 story and basement, 48 x 150 ft., rein.-con. and brick, community house, incl. auditorium, gymnasium, etc., 1220 West 3rd St.

**Ia., Des Moines**—TEMPLE—Sa Ga Sig Lodge, A. A. O. N. M. S., c/o S. H. Harlen, 702 South 6th St., takes bids probably in June, 12 story and basement, rein.-con., brick, steel and stone, Pleasant St. between 9th and 10th Sts. $1,000,000. Sawyer & Watrous, 401 Hippee Bldg., archts. Noted Mar. 19.

**Kan., Salina**—HOTEL—Owner, c/o L. Jones, secy., Amer. Bank Bldg., having plans prepared by R. A. Walker & Bros., 208½ West Central St., El Dorado, 7 story and basement, 49 x 125 ft., rein.-con. and steel hotel. $200,000 plus.

**N. D., Bismarck**—HOME—St. Alexius Hospital having plans made by Buechner & Orth, 500 Shubert Bldg., St. Paul, Minn., 3 or 4 story and basement, nurses' home, rein.-con., brick and stone. $150,000.

**Mo., Kansas City**—GARAGE—Interurban Central Station Co., c/o W. C. Scarritt, secy., Scarritt Bldg., plans 5 story and basement, 120 x 258 ft., brick and rein.-con., plain foundation, McGee and Oak Sts. $400,000. Engineer and architect not selected.

**Mo., Kansas City**—GARAGE and SALES ROOM — Schutte Investment Co., 3015 South West Blvd., having plans prepared by R. H. Sanneman, 519 Lee Blvd., 3 story and basement, rein.-con. and brick garage and sales room. $175,000.

**Mo., Kansas City**—STORE and OFFICE—F. G. Bonfils, 1500 East 10th Ave., Denver, Colo., having plans prepared by F. C. Gunn, 1108 Continental Bldg., 3 story (ultimately 12 story) and basement, 112 x 116 ft., rein.-con., brick and terra cotta, plain foundation, 12th and Grand Sts. $300,000.

**Mo., St. Louis**—DEPOT—Fidelity Transfer Co., 734 South 7th St., having preliminary plans prepared 1 story and basement, 127 x 176 ft., rein.-con. and brick Bway. and Dick St. $250,000. Private plans.

**Mo., Webster Grove**—HOME—Bethasda Home, 3649 Vista St., St. Louis, E. W. Saunders, pres., having preliminary plans prepared 8 or 10 story, rein.-con., brick and stone, Big Bend Rd. $400,000.

**Mo., Wellston** (St. Louis P. O.) — MAUSOLEUM — Laurel Hill Cemetery

Buildings—Commercial (Continued)

Assn., St. Charles Rd. and Ferguson Ave., making preliminary plans rein.-con., brick and marble mausoleum. $1,000,000.

**Okla., Hollis**—COURT HOUSE—Harmon Co. election May 26, $150,000 bonds, 2 story and basement, 90 x 166 ft., brick, plain foundation, 2nd St. Tonnini & Pramlett, Terminal Bldg., Oklahoma City, archts. Noted Feb. 5.

**Wash., Seattle** — APARTMENT — R. C. Stanley, archt., Lumber Exch. Bldg., takes bids about June 11, 3 story and basement, 103 x 120 ft., brick and cast stone, 4522 Brooklyn Ave., for C. H. Morton, Lumber Exch. Bldg. $150,000.

**Calif., Long Beach**—APARTMENT, etc. —T. J. Sten, having plans prepared by H. R. Davies, Farmers & Merchants Bldg., 4 story and basement, 52 x 200 ft. brick and steel, apartment, store and office building, West 14th St. $200,000.

**Calif., Los Angeles**—WAREHOUSE—C. E. Toberman, c/o Morgan, Walls & Clements, archts., Van Nuys Bldg., soon takes Bids 13 story, 50 x 200 ft. rein.-con., Highland Ave.

**Calif., Los Cerritos** (mail Compton) — CLUB—California Golf Club, W. H. Taylor, pres., 232 Montgomery St., San Francisco, plans clubhouse, near here. $150,000.

**Calif., Oakland**—STORE and OFFICE—Metropolitan 5 & 10 Cent Stores, having plans prepared by Reed & Corlett, Bank of Savings Bldg., 3 story and basement, Class A, store and office building. $150,000.

**Calif., Sacramento** — HOSPITAL — San Francisco Drugless Hospital Assn., having plans prepared by Shea & Shea, 454 Montgomery St., San Francisco, for group rein.-con. and brick hospital buildings, 21st, 22nd, Q and R Sts. $500,000.

**Calif., San Bernardino** — COURTHOUSE San Bernardino Co. voted $450,000 bonds for courthouse. Noted Apr. 2.

**Calif., San Francisco**—HOTEL and STORE—H. C. Keenan, 110 Sutter St., having plans prepared by Baumann & Jose, 251 Kearny St., 10-story and basement, steel and concrete, Post St. $150,000.

**Calif., San Pedro**—BANK—Bank of San Pedro, having preliminary plans prepared by P. C. Pape, Central Bldg., Los Angeles, 100 x 125 ft., fireproof, Mesa St. $150,000 or more.

**Calif., Wilmington** — WAREHOUSE — Catalina Storage & Warehouse Co. plans 2 story (ultimately 4 story), 60 x 250 ft., rein.-con., B St.

### BIDS DESIRED

**Mass., Amherst**—DORMITORY—Amherst College, D. G. Olds, pres., taking bids 4 story and basement, 45 x 140 ft., brick and granite dormitory, $200,000. McKim, Mead & White, 101 Park Ave., New York City, archts. Noted Apr. 30.

**Mass., Arlington** (br. of Boston) — THEATRE, STORE and OFFICE—J. E. Locatelli Co., 151 Highland Ave., Somerville, taking bids 1 and 2 story and basement, brick, Lake St. and Massachusetts Ave. $150,000. Private plans. Noted May 14.

**Mass., Brockton**—STORE and OFFICE—Majestic Realty Co., c/o C. T. Olson, archt., 101 Main St., taking bids 2-story and basement, 85 x 175 ft., brick and stone, Main St. $175,000. Noted May 28.

**Mass., Cambridge** (Boston P. O.)—THEATRE and STORE—College House Trust, c/o C. A. Newhall, 73 Tremont St., Boston, taking bids 1 story and basement, 90 x 125 ft., brick, stone and steel, Harvard Sq., Church and Palmer Sts. $150,000. R. D. Kimball Co., 6 Beacon St. Boston, engrs. Mowell & Rand, 21 School St., Boston, archts. Noted Feb. 5.

**Mass., East Boston** (Boston P. O.)—HOSPITAL — June 1 by Coolidge, Shepley, Bulfinch & Abbott, archts. Ames. Bldg., Boston, 2 story and basement, brick and limestone, plain foundation, incl. heating, plumbing and ventilating systems, Paris and Emmons Sts., here, for City of Boston, G. R. White Fund Trustees. *255,000.

**Mass., Marlboro** — BANK — First Natl. Bank of Marlboro, taking bids 1 story and basement, brick and stone, plain foundation, Main St. $150,000. Allen & Collins, 75 Newbury St., Boston, archts. Noted Mar. 19.

**Mass., Medford** (br. of Boston)—STORE —Shikes & Long, 18 Tremont St., Boston, taking bids 2 story and basement, 12,000 sq.ft. floor space, brick, plain foundation, Medford Sq., here. $200,000. S. S. Eisenberg, 46 Cornhill St., Boston, archt.

**Mass., South Braintree**—BANK—Braintree Savings Bank, L. B. Hollis, pres., taking bids 2 story and basement, rein.-con., brick, stone and steel bank building. $150,000. J. W. Beals Sons Co., 185 Devonshire St., Boston, archts. Noted Mar. 19.

**Mass., Worcester**—OFFICE and STORE —B. Press, Monadnock St., taking bids 5 story and basement, brick and steel, Front St. $175,000. E. T. Chapin, 340 Main St., archt. Noted Apr. 30.

**Conn., Hartford**—LODGE—Odd Fellows Hall Assn., 420 Main St., taking bids 4 story, 65 x 100 ft., brick, limestone and steel addition, Main St. $150,000. F. C. Walz, 407 Trumbull St., archt.

**N. Y., Marcy**—HOSPITAL—June 17, by State Hospital Comn., Albany, constructing employees home, at Utica State Hospital, Marcy Division, here. S. W. Jones, Albany, state archt.; adv. E. N.-R. May 28.

**N. J., Newark**—BANK and OFFICE—June 1, by G. E. Jones, archt., 19 Clinton St., and Dennison & Hirons, archts., 288 Lexington Ave., New York City, 17 story, basement and sub-basement, 87 x 104 ft., brick and steel, 24-30 Commerce St., for Clinton Building Investment Co., Newark.

**Pa., Erie**—BANK and OFFICE—June 8, by Dennison & Hirons, archts., 288 Lexington Ave., New York City, 13 story, basement and mezzanine, 82 x 160 ft., brick and steel, plain foundation, State and 10th Sts., here, for Erie Trust Co.

**Del., Dover**—HOSPITAL—June 2, by F. R. Watson, archt., 1211 Walnut St., 3 story and basement, 40 x 135 ft., rein.-con. and brick hospital, plain foundation, for Kent General Hospital. $175,000.

**D. C., Wash.**—HOSPITAL—June 4, by Ballinger Co. & J. P. Richter, archts., 12th and Chestnut Sts., 4 story and basement, rein.-con. and brick, plain foundation, Pierce and North Capital Sts., for Sibley Memorial Hospital.

**La., Shreveport**—EXCHANGE—June 1, at office Mayre, Alger & Alger, archts., 801 Walton Bldg., Atlanta, Ga., 4 story and basement, 100 x 150 ft., rein.-con., McNeill and Crockett Sts., for Cumberland Telephone & Telegraph Co. F. Colvert, mgr. Noted May 21.

**Va., Alexandria** — HOTEL — G. Mason Hotel Corp., will build 5 story, basement and mezzanine, rein.-con. and brick, Prince St. $300,000. Work will be done by separate contracts. W. L. Stoddard, 50 East 41st St., New York City, archts. Day & Zimmerman, Inc., 1600 Walnut St., Phila., Pa., constr. mgrs.

**O., Cleveland** — STORE — J. Mcrory Stores, c/o S. R. Cunningham, 13 Central Sq., Youngstown, taking bids 4 story and basement, concrete, brick and steel, 430 Euclid Ave. $150,000. J. I. Kuhn, 13 Central Sq., Youngstown, archt. Noted Apr. 6.

**Mich., Detroit**—HOTEL—L. Chesnow, archt., 705 Lincoln Bldg., taking bids 9 story and basement, 75 x 126 ft., rein.-con., brick and steel, plain foundation, East Jefferson Ave., for L. Gorelick, 600 Woodland Ave.

**Wis., Merrill**—HOSPITAL—June 10, by C. W. Bruce, chn. Building Comr., 3 story and basement, 52 x 150 ft., brick and concrete, plain foundation, for Sisters of Holy Cross of Switzerland, c/o M. Prock, pastor. $150,000. Parkinson & Dockendorff, Linker Bldg., La Crosse, archts. Noted May 21.

**Okla., Newkirk**—COURT HOUSE—June 16 (extended date), by B. Schoonover, clk. Kay Co., 3 story and basement, 75 x 120 ft., rein.-con. and brick court house. $200,000. C. H. Woodruff, 400 Reynolds Bldg., Ft. Worth, Tex., archt. Noted May 7.

**Calif., Fruitvale**—THEATRE and STORE —A. A. Cantin, archt., Flatiron Bldg., San Francisco, taking bids 1 story, 100 x 190 ft., Class A, theatre and store building. Owner's name withheld. Noted May 21.

**Calif., Los Angeles**—CLUB—Turn Verein Germania, c/o Krempel & Erkes, Bradbury Bldg., archt., taking bids 2 story and basement, 114 x 265 ft., brick and steel, Washington St. $200,000. Noted Jan. 29.

**Calif., Los Angeles**—HOTEL and STORE —Walker & Eisen, archts., Great Republic Bldg., taking bids 4 story and basement, 95 x 150 ft., brick and concrete, 6th St. and Normandie Ave., for K. Elliott, et al. $175,000. Noted Apr. 9.

**Calif., Oakland** — LABOR TEMPLE — Schirmer-Bugbee Co., archts., Thayer Bldg., taking bids 4 story and basement, 100 x 137½ ft. with 50 x 60 ft. wing, rein.-con. and brick, Franklin and 11th Sts., for Oakland Labor Temple Assn. Noted Mar. 20.

**Calif., San Mateo**—STORE and WAREHOUSE—Mitchell-Jackson Co., archts., 170 2nd St., taking bids 4 stroy, 50 x 165 ft. store, and 3 story, 50 x 80 ft. warehouse, both rein.-con., 3rd Ave. and Griffith St., for F. J. Smith Furniture Co., 3rd Ave. and B Sts. Noted Jan. 29.

**Calif., San Pedro**—CLUB—Jay, Rogers & Stevenson, archts., 919 California Bldg., Los Angeles, taking bids 5-story and basement, 145 x 185 ft., rein.-con., Beacon St., here, for Y. M. C. A. $500,000.

### BIDS RECEIVED

**N. J., Blackwood**—HOSPITAL—Proposals holders Burlington Co., Camden, May 11, from J. S. Roger & Co., Drexel Bldg., Phila., Pa., general contract alterations and additions to (1) almhouse (2) insane hospital, (1) $250,490 (2) $473,260, heating, from J. H. Hutchinson, 1020 Callowhill St., Phila., Pa., (1) $13,997 (2) $30,355; plumbing, from N. Connolly, 1404 North 18th St., Phila., Pa., (1) $20,992, from W. Newell & Son, 1707 Sansom St., Phila., Pa., (2) $23,914.

**N. J., Clinton**—COTTAGES—Bd. Institutions & Agencies, Trenton, general contract 2 story maternity cottage, and 2 cottages for inmates at State Reformatory, here, from C. J. Smith Constr. Co., 204 Academy St., Trenton, $195,500. Noted May 7.

**Fla., Tampa** — AUDITORIUM — City Comn., auditorium, from McDevin-Fleming Co., Tampa, $244,299. Noted Apr. 30.

**Minn., St. Paul** — HOSPITAL — Ramsey Co. Bd. Control, Court House, May 14, general contract 4 story and basement, 150 x 160 ft., rein.-con., brick and stone addition, Jefferson and Colburn Sts., from Lauer Bros., 431 Gilfillan Blk., $304,150. Noted May 14.

### CONTRACTS AWARDED

**N. H., Keene**—DORMITORY—State Bd. Educ., W. A. Stone, purch. agt., State House, Concord, 3 story and basement, 57 x 238 ft., concrete and brick dormitory, to H. P. Cummings Constr. Co., 14 Prospect St., Ware. Archts. est. $250,000. Noted May 14.

**Mass., Boston** — NURSES' HOME — Faulkner Hospital, C. J. Nichols, pres., 4 story and basement, 40 x 130 ft., brick and stone, plain foundation, to J. M. Hartwell, 46 Cornhill St. Archts. est. $160,000.

**Mass., Roxbury** (Boston P. O.)—STORE —Pitsorino Bros., 73 Montebello Rd., Jamaica Plain, 1 story and basement, 100 x 115 ft., rein.-con. and brick, Egleston Sq., here, to Gilman & Barru, 91 Everett Ave., Chelsea. Archts. est. $150,000.

**Mass., Springfield**—OFFICE, etc.—Massachusetts Mutual Life Insurance Co., 500 Main St., 4 story, 297 x 396 ft., brick, limestone and steel office building, 3 story storehouse and power house, to Turner Constr. Co., 178 Tremont St., Boston, $3,000,000 plus percentage basis.

**Mass., Westfield** — ATHENEUM — Westfield Atheneum Assn., 2 story and basement, 50 x 150 ft., brick, Court St., to Casper Ranger Constr. Co., 20 Bond St., Holyoke. Archts. est. $150,000. Noted Feb. 19.

**N. Y., Buffalo** — CLUBHOUSE — Elks Club, 211 Delaware Ave., 6 story and basement, rein.-con. and brick Delaware Ave., to C. H. Everitt, 295 Auburn Ave., to exceed $500,000. Noted Feb. 26.

**N. Y., New York**—WAREHOUSE—Hudson-Charlton Realty Co., c/o Lockwood-Greene & Co., engrs. and archts., 1 Pershing Sq., 10 story, 100 x 100 ft., rein.-con. and steel, plain foundation, Hudson and Charlton Sts., to Turner Constr. Co., 244 Madison Ave. Archts. est. $600,000.

**Pa., Phila.**—MASONIC—Masonic Realty Co., D. G. E. Deitrick, Coatesville, 2 story and basement, 54 x 108 ft., brick and steel, plain foundation, to W. H. Elliott, Coatesville. Archts. est. $150,000.

**Pa., Phila.**—POST OFFICE—F. P. Mellon Estate, 1712 Ludlow St., 2 story and basement, 40 x 188 ft., brick and steel, plain foundation, 18th and Ramstead Sts., to G. C. Dougherty, 1725 Ludlow St. Archts. est. $150,000.

**Pa., Pittsburgh** — APARTMENT — W. Meyer J. Simon, 527 5th Ave., 2 story and basement, 50 x 130 ft., brick and hollow tile, 5251-3 Forbes St., to Miller Constr. Co., Empire Bldg. Archts. est. $150,000. Noted Apr. 9.

**Pa., Scranton**—GARAGE—L. M. Davis, archt., 616 Spruce St., Phila., 4 story and basement, 120 x 160 ft., rein.-con., brick and steel, plain foundation, Lackawanna Ave., here, to White Constr. Co., Jefferson Bldg., for P. J. Casey, Hotel Casey. Approximately $350,000. Noted Apr. 23.

**Del., Wilmington**—CLUB HOUSE—Lodge 307, B. P. O. E., 3 story and basement, 75 x 90 ft., brick and steel, plain foundation, Market St. between 11th and 12th Sts., to Northeastern Constr. Co., Lexington Bldg., Baltimore, Md.

**Fla., Miami**—BANK and OFFICE—First Trust & Savings Bank, 15 story, brick, steel and stone, plain foundation, to George A. Fuller, 949 Bway., New York City.

Buildings—Commercial (Continued)

**Fla., St. Petersburg**—HOTEL—Soreno Hotel Corp., 80 room addition to Soreno Hotel, to G. A. Miller, 28 Petteway Bldg., Tampa, $200,000.

**Mich., Detroit** — HOSPITAL — Michigan Children's Hospital, St. Antoine St., 5 story and basement, rein.-con., brick and steel, plain foundation, St. Antoine and Farnsworth Sts., to Culbertson & Kelly, 872 West Milwaukee Ave. Archts. est. $309,000.

**Mich., Detroit**—LODGE and HOTEL—Wayne Lodge Pythian Castle Assn. c/o Weston & Ellington, archts., 1507 Stroh Bldg., 11 story and basement, 100 x 150 ft., rein.-con., brick and steel, plain foundation, Cass and Temple Aves., to O. Misch Co., 159 East Columbia St. Archts. est. $1,000,000.

**Ill., Decatur** — OFFICE and WAREHOUSE—Illinois Power & Light Co., c/o M. L. Harrying, mgr., 1 and 2 story, 120 x 310 ft., and 25 x 25 ft., brick and concrete office and warehouse, to G. Baker, Decatur.

**Ill., Peoria**—BANK and OFFICE—Commercial Natl. Bank, South Adams and Liberty Sts., 4 story, 72 x 171 ft., rein.-con., brick and steel addition, to V. Jobst & Sons, Lehman Bldg., $300,000.

**Ia., Marshalltown** — HOSPITAL — Deaconess Hospital Assn., 35th and Main Sts., C. Best, supt., general contract 3 story and basement, 45 x 180 ft., rein.-con., brick and stone addition, 3rd Ave. and Main St., to Public Constr. Co., 2822 Penn Ave. N., Minneapolis, Minn. Archts. total est. $175,000. Noted Apr. 9.

**Neb., Omaha** — COMMUNITY — L. A. Daly, archt., 622 Peters Trust Bldg., 6 story and basement, 140 x 152 ft., rein.-con., brick and steel, 20th and Dodge Sts., to A. Beck, 401 Keeline Bldg., for Knights of Columbus, $550,000. Noted Apr. 16.

**Mo., Kansas City**—APARTMENT—M. Spare, 4006 Paseo St., 5 story and basement, 76 x 126 ft., rein.-con., brick and stone, plain foundation, Mill Creek Parkway, to Lishear & Owen Constr. Co., Builders Exch., $170,000.

**Mo., Kansas City** — APARTMENTS — Kansas City Building Co., 319 Ridge Bldg., will build three 4 story and basements, 50 x 110 ft., rein.-con. apartments, plain foundation, one at 909 East 30th St., one at 913 East 30th St., and other at 30th and Campbell Sts., by day labor. $170,000 each. Noted Apr. 23.

**Mo., St. Louis**—OFFICE and THEATRE—Skouras Bros. Enterprises, c/o Grand Central Bldg., 22 story and basement, 127 x 165 ft., rein.-con., brick, steel, stone, terra cotta and marble, 7th and Locust Sts., to Boaz-Kiel Constr. Co., 4030 Chouteau Ave. Archts. est. $2,300,000. Noted Apr. 23.

**Mo., St. Louis**—STORE and OFFICE—Grand-Miami Corp., 1200 Pierce Bldg., will build 3 story and basement, 72 x 151 ft., rein.-con. and brick, plain foundation, Grand and Miami Sts., by day labor, under supervision of G. Sokol, archt., 7069 Pershing Ave. $375,000.

**Tex., San Antonio**—BANK—Commercial Natl. Bank & Commercial Loan & Trust Co., 4 story and part basement, rein.-con., marble, tile and Leuders limestone, St. Marys and Travis Sts., to J. DePuy, Builders Exch. Bldg., $160,000. Noted Mar. 26.

**Tex., San Antonio**—DORMITORY—Lady of the Lake College, College Lakeview, 5 story, 133 x 133 ft., concrete, brick, stone, to A. W. Fuessel, 700 Delmar St., approximately. $150,000.

**Wash., Seattle**—HOTEL—A. McQuaker, archt., Melhorn Bldg., 6 story and basement, brick, terra cotta and concrete, 7th and Union Sts., to A. F. Mowat, Arcade Bldg., for Caledonian Hotel Co., Melhorn Bldg. $160,000.

**Calif., Los Angeles**—APARTMENT—J. W. Kelly, c/o J. C. Austin, archt., Detwiler Bldg., 4 story and basement, 50 x 150 ft., brick, Main and 37th Sts., to Slater Co., 2314 Santa Fe Ave., Los Angeles, $150,000.

**Calif., Los Angeles** — OFFICE — A. Soiland, 1407 South Hope St., 9 story and basement, 49 x 154 ft., brick and terra cotta, 1405-07 South Hope St., to C. L. Peck, H. W. Hellman Bldg., $600,000. Noted Feb. 19.

**Calif., Los Angeles**—OFFICE—Los Angeles Gas & Electric Corp., 810 South Flower St., will build 3 story and basement, 65 x 230 ft., brick, 1324 Wall St., by day labor, under supervision of company engineers. $250,000.

**Calif., Los Angeles**—STORE and OFFICE—Hohm Building Co., c/o A. C. Martin, archt., Higgins Bldg., general contract 4 story and basement, brick and concrete, 6th and Western Ave., to Slater Co., 2314 Santa Fe Ave., Los Angeles $96,000. Noted Apr. 30.

**Calif., Los Angeles**—THEATRE and OFFICE—C. E. Toberman, c/o G. A. Lansburgh, archt., Hill-Street Bldg., 6-story, 125 x 180 ft., rein.-con. and steel, Hollywood Blvd., to McNeil Co., 5860 South Park Ave., approximately $450,000. Noted Mar. 19.

## Buildings—Educational, Religious

### PROPOSED WORK

**Mass., Boston**—SCHOOLS—School House Dept. plans brick school, Everett Dist., South End, $184,000 appropriated; brick and stone annex to Intermediate School, Lewis Dist., Roxbury, $292,000; brick high school, T. N. Hart Dist., South Boston, $292,000 appropriated. Engineer and architect not selected.

**Mass., Charlestown** (Boston P. O.) — SCHOOL—School House Dept., Boston, having plans prepared by J. Driscoll, 6 Beacon St., Boston, 2 story and basement, brick and stone, plain foundation, Warren-Bunker Hill Dist., here. $210,000. Noted Apr. 30.

**Mass., Lawrence** — SCHOOL — Sacred Heart Roman Catholic Church, A. Millet, pastor, having plans prepared by J. G. Morrissette, 575 Essex St., 3 story and basement, 65 x 75 ft., brick and steel, Hawley St. $150,000.

**Mass., Quincy** (Boston P. O.) — HIGH SCHOOL—C. A. Barbour, mayor and ch. com., having plans prepared by F. I. Cooper Corp., 172 Tremont St., Boston, archts., Junior High School, brick, East Squantum St. $400,000. Noted Feb. 5.

**Mass., Weymouth** (Ind. br. Boston) — SCHOOL — School Comn. having sketches made by J. W. Beals Sons Co., 185 Devonshire St., Boston, 2 story, brick, Bridge St. $150,000.

**Conn., Bridgeport** — SCHOOL — St. Stephens Roman Catholic Church Wordin Ave., having plans prepared by J. A. Jackson, 185 Church St., New Haven, 2 story and basement, 115 x 120 ft., brick and steel, Wordin and St. Stephens Aves. $150,000. Noted Jan. 31.

**Conn., Danbury** — HIGH SCHOOL — School Comn. having plans prepared by Sunderland & Watson, 248 Main St., new high school. $400,000. Noted Apr. 16.

**Conn., Danbury** — SCHOOL, CHAPEL, etc.—St. James Elscopal Church, A. C. Coburn, pastor, having preliminary plans prepared by Sunderland & Watson, 248 Main St., school and chapel with dormitory. $150,000.

**Conn., Hartford**—HIGH SCHOOL—City plans 2 story and basement, new high school, Zion St. $150,000. Engineer and architect not selected.

**Conn., New Britain**—CHURCH—Italian Community of New Britain, Franklin Sq., plans brick church, Franklin Sq. $150,000.

**Conn., Stamford**—SCHOOL—City School Comn. having plans prepared by Butler & Prevost, 292 Main St., 2 story and basement, brick and steel, Woodland Ave. $250,000.

**Conn., Torrington** — CHURCH — St. Mary's Roman Catholic Church, R. J. Kowalsky, pastor, had plans prepared 1 story and basement, 60 x 130 ft., stone church. $150,000. J. A. Jackson, 185 Church St., New Haven, archt.

**N. J., Newark**—CHURCH—St. Lucys Roman Catholic Church, Sheffield St., soon takes bids brick and stone, plain foundation, Sheffield St. $150,000. N. J. Convery, 964 Broad St., archt. and engr. Noted Apr. 2.

**Pa., Homestead**—CHURCH—St. Michaels Roman Catholic Congregation, having plans prepared by Comes, Perry & McMullen, Renshaw Bldg., Pittsburgh, 2 story and basement, 90 x 103 ft., limestone and brick, 9th and Liberty Sts. $150,000.

**Pa., Pittsburgh**—HIGH SCHOOL—Catholic Diocese of Pittsburgh, Craig St. and 5th Ave., having plans prepared by E. J. Weber, archt., K. of C. Bldg., and A. F. Link, associated archt., 407 North Craig St., 3 and 4 story and basement, 63 x 216 ft., stone, 5th Ave. and Boundary St.

**N. C., Durham**—COLLEGE—Duke University (formerly Trinity College), having sketches made by H. Trumbauer, Land Title Bldg., Phila., Pa., group of new buildings. Noted Jan. 8.

**La., Baton Rouge**—HIGH SCHOOL—Bd. Educ., Baton Rouge Parish, having plans prepared by W. T. Nolan, Canal-Commercial Bldg., New Orleans, 3 story, rein.-con., brick, steel and stone. $450,000.

**Fla., Miami** — CHURCH — First Baptist Church, c/o J. L. White, pastor, Garden of Eden, had plans prepared by R. H. Hunt, Nashville, Tenn., 12 story church, north east 1st and 5th Sts. $1,000,000.

**Tenn., Knoxville**—SCHOOLS—Voted $2,500,000 bonds for new schools. Noted Apr. 30.

**O., Canton**—SCHOOL and HALL—St. John's Roman Catholic Church, 627 McKinley Ave., had plans prepared by W. Koehl, 1720 Euclid Ave., Cleveland, 2 story and basement, brick, steel and concrete school and hall. $150,000.

**O., Cleveland** — SCHOOLS — Bd. Educ., F. G. Hogen, dir., having plans prepared by W. R. McCornack, East 6th St. and Rockwell Ave., Alexander Hamilton Junior High School, 3 story and basement, $1,200,000; Junior High School, 3 story and basement, Oakland Dist., $1,015,056; 1 and 2 story, 14 room addition to Nathani l Howard School, $450,000; 18 room additions to Willson School, $450,000, and Harvard School, $700,000; and Louise M. Alcott School, 4 room, $150,000, all brick, steel and concrete.

**Mich., Detroit** — MEDICAL COLLEGE — Bd. Educ., 1354 Bway. Ave., having plans prepared by Donaldson & Meyer, 1314 Penobscot Bldg., 3 story and basement, rein.-con., brick and steel, plain foundation, St. Antoine St. $560,000.

**Mich., Detroit** — SCHOOLS — Bd. Educ. 1354 Bway. Ave., having plans prepared by McGrath & Van Tyle, 2231 Park Ave., 2 story and basement, rein.-con.; brick and steel, plain foundation, Clippert and Clayton Aves., $440,000; by Smith, Hinchman & Grylls, 800 Marquette Bldg., 3 story and basement, rein.-con., brick and steel addition to Northern High School, plain foundation, Owen Ave., $228,000; by Malcomson & Higginbotham, 1217 Griswold St., 3 story and basement, rein.-con., brick and steel, plain foundation, Martin and McGraw Aves., $800,000.

**Ill., Hinsdale**—SEMINARY—Order of St. Francis, St. Louis, Mo., having plans prepared by O'Meara & Hills, 1611 Pioneer Bldg., St. Paul, Minn., 3 story and basement, 279 x 357 ft., concrete, brick and stone, here. $900,000.

**Neb., Gothenburg**—HIGH SCHOOL—Bd. Educ., c/o H. A. Burke secy., had plans prepared by Davis & Wilson, 525 South 13th St., Lincoln, and soon takes bids 2 story and basement, 130 x 144 ft., brick and concrete school. $175,000. Noted May 21.

**S. D., Sioux Falls**—COLLEGE—Columbus College, P. T. Monoghan, pres., plans 3 story and basement, rein.-con., brick and stone college. $150,000. Perkins & McWayne, 322 Paulton Blk., archts.

**Mo., Columbia** — SCHOOLS — Bd. Educ. having preliminary plans prepared by W. B. Ittner, 911 Locust St., St. Louis, 2 story, Benton Grade School, and 3 story manual training department for Fred Douglass High School, both rein.-con., brick and stone.

**Mo., St. Louis**—SCHOOL—Church of Immaculate Conception, c/o pastor, Park and Compton Aves., having preliminary plans prepared 3 story and basement, rein.-con., brick and stone school, incl. swimming pool, gymnasium, auditorium, etc., 29th and Lafayette Sts. $150,000.

**Tex., Dallas**—SCHOOLS—Bd. Educ., c/o C. M. Moore, secy., and W. C. Lemmon, pres., having plans prepared by H. M. Greene Co., 805 Santa Fe Bldg., addition to Colonial School, Wendelkin and Pennsylvania Sts., also addition to Lipscomb School, Ridgway and Worth Sts., both brick and stone, plain foundation. $150,000.

**Okla., Tulsa**—SCHOOL—Catholic Preparatory School having preliminary plans prepared 3 buildings, 4 story and basement, 260 x 400 ft., brick school. $1,500,000. Engineer and architect not selected.

**Calif., Covina** — SCHOOL — California Preparatory School for Boys, c/o R. Meier, Title Insurance Bldg., Los Angeles, having preliminary plans prepared group of 1 and 2 story rein.-con., hollow tile and brick buildings, here. To exceed $150,000.

**Calif., Los Angeles** — KINDERGARTEN SCHOOL—City had plans prepared by F. J. Soper, 1113 Central Bldg., 2 story and part basement, 75 x 195 ft., brick and rein.-con. kindergarten school, North Ave.

**Calif., Los Angeles**—SCHOOL—City having plans prepared by Architectural Dept. of Bd. Educ., 2 story, 65 x 189 ft., rein.-con. and hollow tile, Naomi Ave. $165,000.

**Calif., Oakland** — HIGH SCHOOL — City having preliminary plans prepared by Construction Dept. Bd. of Educ., City Hall, fireproof high school, Park Blvd. and Hopkins St. $850,000 or more.

Buildings—Educational, Religious (Cont.)

**BIDS DESIRED**

**Me., Portland** — SCHOOL — City, E. G. Robinson, chn. com. taking bids 2 story and basement, brick and steel school. $150,000. Miller & Mayo, 465 Congress St., archts.

**Vt., Burlington** — HIGH SCHOOL — City, W. Fenton, chn. School Building Com., taking bids on revised plans, Junior High School, 3 story and basement, 60 x 120 ft., and 90 x 120 ft., brick and stone, plain foundation. $350,000. A. Kellogg, 89 Franklin St., Boston, engr. F. L. Austin, 240 College St., archt. Noted Aug. 28.

**Mass., Weston**—CHAPEL—Scholasticate Society of Jesus, P. J. O'Gorman, pres., taking bids 1 and 2 story, brick and stone chapel and rotunda, Concord Rd. $1,000,000. Maginnis & Walsh, 100 Boylston St., Boston, archts.

**Mass., Worcester**—CHURCH—June 7th, by Wesley Methodist Church, W. S. Mitchell, pastor, 3 story, 165 x 170 ft., brick and granite, Main and Church Sts. $500,000. Coolidge & Carlson, 89 State St., Boston, archts. Noted May 21.

**R. I., Westerly**—SCHOOL—Immaculate Conception Parish, F. Vincent, pastor, taking bids 2 story and basement, 100 x 105 ft., brick and stone, plain foundation, Dixon St. $175,000. O'Malley & Fitzsimmons, Fanning Bldg., Providence, archts.

**Conn., Waterbury** — HIGH SCHOOL — Notre Dame Academy, Sister Faustina, head, South Elm St., taking bids 3 story and basement, brick and stone, plain foundation. $300,000. J. Jackson, 185 Church St., New Haven, archt. Noted Feb. 19.

**N. Y., Jamaica**—SCHOOL—June 4, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, constructing P. S. 131, 172nd St., here, for Bd. Educ., 500 Park Ave., New York City.

**Md., Baltimore**—SCHOOLS—June 3 by Bd. Awards, City Hall, 3 story and basement, 62 x 111 x 205 ft., Glenmore, Christopher and Sylvan Aves., $270,000; 3 story and basement, 62 x 146 x 205 ft., brick and steel, plain foundation, Alto Ave. near Lyndhurst Ave., $270,000; 3 story and basement, 62 x 111 x 205 ft., brick and steel, plain foundation, Rogers Ave. near Denmore Ave., $270,000. C. N. and N. Friz, Lexington Bldg., archts. H. F. Doeleman, 507 North Charles St., engr.

**Mich., Springwells**—SCHOOL—June 3, by F. E. Yinger, secy. Bd. Educ., 2 story and basement, 20 room, rein.-con., brick and steel, plain foundation, Lois Ave. $250,000. H. J. Keough, 2440 Cass Ave., Detroit, engr. and archt.

**Ill., Waukegan**—HIGH SCHOOL—June 2, by Bd. Educ., 2 story and basement, rein.-con., brick and stone high school. $200,000. Shattuck & Layer, 19 South La Salle St., Chicago, archts. Noted Apr. 16.

**Calif., San Francisco**—HIGH SCHOOL—July 1, by Bd. Pub. Wks. general contract for fireproof high school, Dolores and 18th Sts., $1,101,000; also for plumbing, gas fittings, and sprinkler system, for same, $83,000, for City and San Francisco Co. Total $2,500,000. Bids on balance of work to be asked at later date. J. Reid, Jr., City Hall, city archt.

**BIDS RECEIVED**

**Ind., Wabash**—HIGH SCHOOL—School Bd., 2 story and basement, 180 x 200 ft. school, incl. swimming pool and gymnasium, etc. from E. A. Carson, Logansport, Ind., $257,000. Noted Apr. 3.

**CONTRACTS AWARDED**

**Me., Camden**—SCHOOL—Town, R. H. Hayden, chn. School Bd., 2 story and basement, 95 x 165 ft., brick and stone school, to J. Partridge, Augusta. Archts. est. $150,000. Noted May 14.

**Me., Fairfield**—HIGH SCHOOL—Town, R. A. Jewell, chn. Building Comn., 2 story and basement, brick and stone school, to F. W. Cunningham & Sons, 181 State St., Portland. Archts. est. $150,000. Noted Apr. 30.

**Me., Orono**—ARMORY and GYMNASIUM—University of Maine, 2 and 3 story and basement, 118 x 318 ft. brick, stone and steel, plain foundation, to O. Nelson Co., 194 Exchange St., Bangor. Archts. est. about $250,000. Noted Jan. 22.

**Mass., Clinton** — SCHOOL — St. Mary's Polish Church, A. Borrisky, pastor, 127 Franklin St., 2 story and basement, 65 x 100 ft., brick and stone, to M. J. Walsh & Son, 1412 Dwight St., Holyoke. Archts. est. $150,000. Noted Apr. 16.

**Mass., Grafton**—SCHOOL—School Comn., Norcross School, 2 story and basement, brick and stone, to J. E. Wilcox, Grafton. Archts. est. $150,000. Noted Apr. 9.

**Mass., Leominster**—SCHOOL—St. Lee's Church, E. Toher, pastor, 2 story and basement, 65 x 100 ft., brick and stone parochial school, Main St., to M. J. Walsh & Sons, 1412 Dwight St., Holyoke. Archts. est. $150,000.

**Mass., Watertown** (Boston P. O.) — SCHOOL—City, C. M. Abbott, chn. com., 2 story and basement, brick and stone addition to Coolidge School, plain foundation, Arlington and Mt. Auburn Sts., to Fuller Constr. Co., 31 Milk St., Boston. Archts. est. $200,000. Noted Apr. 23.

**R. I., Cranston**—SCHOOL—City, A. M. Colvin, city property comn., 2 story and basement, brick, Mersick St. and Pontiac Ave., Eden Park Sect., to P. J. Flynn, 11 Pembroke Ave., Providence. Archts. est. $150,000. Noted Apr. 23.

**R. I., Woonsocket** — HIGH SCHOOL — School Building Com., 2 story and basement, brick and steel addition, to I. F. Fleurant & Sons, Rathburn St., $108,771. Noted May 14.

**Conn., East Hartford** (br. of Hartford)—SCHOOL—City, 2 story and basement, 60 x 150 ft., brick and steel, Darling St., to Lawrence & Coe Constr. Co., 372 Trumbull St., Hartford, $121,100.

**N. Y., Buffalo**—SCHOOL—Bd. Educ., P. S. 76, Elmwood Ave., to Shane Constr. Co., Herald Bldg., Syracuse, $389,800. Noted Apr. 16.

**N. J., Camden**—SCHOOL—Bd. Educ., H. A. Davis School, 3 story and basement, 93 x 159 ft., brick and steel, plain foundation, 36th and Cramer Sts., to G. Bachmann, 19 North 30th St. $189,575. Noted May 14.

**Pa., Harrisburg**—HIGH SCHOOL—Harrisburg School Bd., Chestnut St., general contract John Harris High School, 1 story, 312 x 322 ft., brick and cast stone, 25th and Market Sts., to C. W. Strayer, 13th and Thompson Sts., $757,000; plumbing, to Herr Bros., 7th and Emerald Sts., $40,050. Noted Mar. 26.

**Pa., Lancaster**—CHURCH—U. B. Church of Christ, Queen and Clay Sts., 1½ story and basement, 57 x 69 ft., granite, plain foundation, to D. S. Warfield, Lancaster. Archts. est. $200,000.

**Pa., Overbrook** — SUNDAY SCHOOL — Davis, Dunlop & Barney archts., 1805 Walnut St., Phila., 2 story and basement, 108 x 149 ft., brick, plain foundation, city line and Lancaster Ave., to H. E. Baton, 1713 Sansom St., Phila. for Overbrook Presbyterian Church. Archts. est. $225,000. Noted May 7.

**Pa., Phila.**—SCHOOL—Bd. Educ., 19th and Chestnut Sts., 3 story and basement, 95 x 211 ft., Chew and Upsal Sts., to M. Melody & Son, 1322 Race St., $398,900; heating system, to D. J. Keating, 2042 Rittenhouse Sq., $46,000. Noted May 14.

**Pa., Swarthmore** — CHURCH and SUNDAY SCHOOL — Swarthmore Methodist Episcopal Church, 1 story and basement, 70 x 123 ft., granite, plain foundation, to Stoffiet & Tillotson, Wesley Bldg., Phila. Archts. est. $150,000.

**Pa., West Chester** — AUDITORIUM — West Chester Normal School, general contract, Phillips Memorial Auditorium, 1 and 2 story and basement, 64 x 162 ft., on campus, to V. Gondos, Reading, $265,000; heating and ventilating, to Borden & Co., 637 North 19th St., Phila., $28,060. Noted May 14.

**W. Va., Lewisburg** — BARRACKS and ADMINISTRATION—Greenbriar Military School, general contract 3 story and basement barracks and administration building, to J. P. Pettyjohn & Co., Lynchburg, Va. Archts. est. $250,000.

**La., Baton Rouge**—CHURCH, etc.—First Presbyterian Congregation, B. B. Taylor, chn., 1 story, basement and balcony, 65 x 114 x 163 ft., brick, stone, terra cotta and concrete church, and 2 story Sunday school, to S. M. Leard, Meridian, Miss. Archts. est. $175,000. Noted Apr. 30.

**O., Lorain** — CHURCH and SUNDAY SCHOOL—First Congregational Church, L. C. Grant, pastor, 433 Washington St., 1 and 2 story, 80 x 125 ft., brick, steel and stone, to P. J. Hume, Lorain. Archts. est. $150,000. Noted Apr. 30.

**O., Toledo**—SCHOOLS—Bd. Educ., 3 centralized schools, each 2 story and basement, 100 x 120 ft., rein.-con. and brick, to Orr & Miller, 510 Savings Bldg., Lima. Archts. est. $100,000 each.

**Mich., Flint**—SCHOOL—St. Mary's Parish, 2 story and basement, 80 x 100 ft., rein.-con., brick and steel, plain foundation, to A. E. Rose & Co., Flint. Archts. est. $150,000.

**Mich., Redford**—SCHOOL—Bd. Educ., Dist. 7, 2 story and basement, 10 room, rein.-con., brick and steel, plain foundation, to G. Anderson, 6118 Lawton Ave., Detroit, about $150,000.

**Wis., Madison**—CHURCH—Grace Episcopal Church, 116 West Washington Ave., 2 story, 60 x 210 ft., rein.-con. and brick, plain foundation, Carroll St., to J. H. Kelley, 24 East Mifflin St. Archts. est. $150,000. Noted May 7.

**Kan., St. Marys**—COLLEGE—St. Marys College, 3 story and basement, 70 x 200 ft., rein.-con. and stone, plain foundation, to G. P. Reintjes, 314 Interstate Bldg., Kansas City. Archts. est. $175,000.

**Mo., Columbia**—CHURCH and SUNDAY SCHOOL—F. E. Stephens, 203 Tholly Ave., ground floor and foundation for 136 x 195 ft., rein.-con., brick and stone church and Sunday school, 70 ft. high, to Phillips Constr. Co., Columbia, for Methodist Foundation, 9th and Locust Sts., $72,297.

**Mo., Kansas City**—HIGH SCHOOL—Bd. Educ., Public Library Bldg., general contract 4 story, brick, rein.-con. and limestone, plain foundation, 20th and Van Brunt Sts., to Collins Bros., 1600 Grand St., $291,475.

**Tex., Houston**—CHURCH—First Baptist Church, c/o J. B. Leavel, pastor, 2602 Blodgett St., 4 story, 103 x 107 ft., concrete, steel, brick and stone, Main St. and Lamar Ave., to Tellepsen Constr. Co., 4100 Clay St., approximately $185,000.

**Tex., Temple** — SCHOOLS — Bd. Educ., high and grammar school building, also negro school, rein.-con., brick and stone, plain foundation, to San Antonio Constr. Co., San Antonio, $151,106.

**Calif., Los Angeles**—SCHOOL—City, general contract rein.-con. and brick, 3 story school building, 3 story gymnasium and 1 story shop, to Salih Bros., D twiler Bldg., $171,535.

## Federal Government Work

**PROPOSED WORK**

**N. Y., Plattsburg**—Platform, etc.—U. S. Engineer Office, Room 710 Army Bldg., 39 Whitehall St., New York City, rejected bids Apr. 27, stone platforms, steps, etc. in MacDonough Memorial, here. Noted Apr. 16.

**D. C., Wash.**—Water System—Spec. 5104—Bureau Yards & Docks, Navy Dept., plans addition to water system at Naval Observatory, here.

**BIDS DESIRED**

**Conn., New London**—Post Office—June 25, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and extending Post Office, here; adv., E. N.-R. May 28.

**N. Y., Rosebank** — Pier — June 18, by Treas. Dept. at office Supervising Archt., Wash., D. C., removing old pier and constructing new one, dredging boat basin, etc., here; adv. E. N.-R. May 28.

**N. J., Paterson**—Post Office—June 24, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here; adv. E. N.-R. May 28.

**Md., Baltimore**—Sewers—June 23, by Treas. Dept. at office Supervising Archt., Wash., D. C., new sewerage and drainage at U. S. Marine Hospital, here.

**D. C., Wash.**—Steel, etc.—June 2, at office General Purch. Officer, Panama Canal, Wash., D. C., structural steel, steel railroad coach wheels, iron or steel ridge roll, etc.

**Fla., St. Petersburg**—Post Office—June 25, by Treas. Dept. at office Supervising Archt., Wash., D. C., extension to post office, here.

**Ala., Florence**—Bridges—July 7, by U. S. Engineer Office, erecting one Strauss trunnion bascule bridge and one bascule bridge across navigation lock of Wilson Dam; adv. E. N.-R. May 28.

**Miss., Holly Springs**—June 22, by Treas. Dept. at office Supervising Archt., Wash., D. C., post office, here.

**La., New Orleans**—Hospital and Quarters—June 17, by Treas. Dept. at office Supervising Archt., Wash., D. C., isolation hospital and attendants' quarters, at Marine Hospital, here; adv. E. N.-R. May 28.

**Tenn., Memphis**—Quarters—June 23, by U. S. Veterans Bureau, Wash., D. C., quarters for medical officers, at U. S. Hospital 88, here.

**Minn., Minneapolis** — Alterations, etc. — June 9, by U. S. Veterans Bureau, Wash., D. C., alterations and restoration of 6th floor of Regional Office and Dispensary, Keith Plaza Bldg., here.

**Wyo., Powell**—Structures—June 16, at office Bureau Reclamation, Powell, constructing structures on Willwood Canal below Deer Creek, near here. E. Mead, comr.

**Montana**—Road—June 15, by C. H. Prucell, dist. engr. Bureau Pub. Rds., Post Office Bldg., Portland, Ore., constructing 12.4 mi. Transmountain Highway, Glacier Nat'l. Park, here.

**Mont., Missoula**—Post Office—June 22, by Treas. Dept. at office Supervising Archt.,

Federal Government Work (Continued)

Wash., D. C., remodeling and enlarging post office, here.

**Calif., Mare Island**—Paving—Spec. 5092—June 3, by Bureau Yards & Docks, Navy Dept., Wash., D. C., asphalt paving, here. Noted May 14.

**Calif., Point St. George** — Road — Spec. 5037—June 10, at Pub. Wks. Office, Navy Yard, Mare Island, constructing road at Naval Radio Compass Station, here.

**Calif., San Francisco**—Stone—June 13, by U. S. Engineer Office, Custom House, 200,000 tons more or less stone for jetty construction at entrance Humbolt Bay.

**BIDS RECEIVED**

**R. I., Melville**—Chimney—Spec. 5101—Bureau Yards & Docks, Navy Dept., Wash., D. C., radial brick chimney, here, from Rust Eng. Co., 311 Ross St., Pittsburgh, Pa., $3,700. Noted May 14.

**N. Y., Brooklyn**—Water Tank—Spec. 5090—Bureau Yards & Docks, Navy Dept., Wash., D. C., elevated steel water tank and sprinkler system, here, from Austin Eng. Co., 121 West 42nd St., New York City, (1) $20,772 (2) $9,643 (3) $9,619. Noted May 14.

**N. Y., Brooklyn**—Wharf Repairs—Spec. 5080—Bureau Yards & Docks, Navy Dept., Wash., D. C., wharf repairs, here, from General Contg. & Eng. Co., 40 Rector St., New York City, (1) $11,011 (2) $150 (3a) $40 (3b) $37.50 (4) $0.60 (5) $25. Noted May 14.

**D. C., Wash.**—Power Plant—D. Lynn, Capital Bldg., archt., power plant improvements, from W. G. Cornell Co., 17 Patterson St. N. E., (a) $155,136 (b) $153,750 (c) $156,668 (d) $159,992 (e) $155,441 (f) $156,742 (g) $157,047.

**Mo., Fayette**—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., post office building, here, from C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $43,400. Noted Apr. 23.

**Calif., San Luis Obispo**—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., constructing post office, here, from R. E. Campbell, Long Beach, $48,842. Noted May 14.

**CONTRACTS AWARDED**

**Mass., Boston**—Repairing Crane—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairing crane, here, to McMyler Interstate Co., Bedford, O., $19,000. Noted May 21.

**Conn., Mystic**—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., post office, here, to W. MacDonald Constr. Co., Syndicate Bldg., St. Louis, Mo., $43,736. Noted May 21.

**N. Y., Brooklyn**—Chimney—Spec. 5077—Bureau Yards & Docks, Navy Dept., Wash., D. C., radial brick chimney, here, to M. W. Kellogg Co., 90 West St., New York City, $14,556. Noted May 14.

**S. C., Charleston**—Dredging—U. S. Engineer Office, War Dept., Wash., D. C., dredging in Charleston Harbor, here, to P. Sanford, Ross, Inc., Jersey City, N. J., $6,750. Noted Apr. 30.

**Ind., Newburg**—Dam—U. S. Engineer Office, P. O. Box 72. Louisville, Ky., constructing Dam 47, Ohio River, here, to U. G. I. Constr. Co., 1401 Arch St., Phila., Pa., $2,359,218. Noted May 14.

**Mich., Detroit**—Dredging—U. S. Engineer Office, dredging 2 mi. ship canal, to Dunbar & Sullivan, 2211 Dime Bank Bldg., $125,000; hire of plant for dredging west side of channel, south end of Lake Huron, to Duluth Superior Dredging Co., 1715 Ford Bldg., $27,000. Noted Apr. 9.

**Mich., Detroit**—Garage—U. S. Engineer Office, constructing 140 x 24 ft. rein.-con., brick and steel postal station garage, at Roosevelt Park Post Office, to Everett Winters Co., 1024 Book Bldg., $200,000.

**Wis., Milwaukee**—Steel Barges—U. S. Engineer Office, 3 steel barges, to Menasha Boiler Wks., Water St., Menasha, $35,000. Noted May 14.

**Minn., Duluth**—Breakwater—U. S. Engineer Office, repairing breakwater at Agate Bay, to Barnett & Record Co., Minneapolis, Minn. $55,545. Noted Apr. 9.

**H. T., Pearl Harbor**—Elevator—Bureau Yards & Docks, Navy Dept., Wash., D. C., elevator, here, to Otis Elevator Co., 810 18th St. N. W., Wash., D. C., $4,595 (180 days).

## Unclassified

**PROPOSED WORK**

**Playground — Cambridge, Mass.** — City Council plans to purchase land and construct public playground in Ward 10. $25,000 or more. Engineer not selected.

**Playground, East Boston** (Boston P. O.) **Mass.**—City of Boston, plans playground on land bounded by Geneva, Porter, Wellington and Grove Sts. $25,000. J. F. Sullivan, secy. Street Layingout Dept.

**Terminal, East Cambridge** (Boston P. O.) **Mass.**—Boston Elevated Ry. Co., Park Sq. Bldg., Boston, plans terminal, Main St. and Kendall Sq., here. To exceed $125,000. A. J. Blackburn, Park Sq. Bldg., engr.

**Swimming Pool — Detroit, Mich.** — See "Buildings—Commercial."

**Transmission Line—Illinois**—Central Illinois Light Co., 316 South Jefferson St., Peoria, purchased site and made plans transmission line from Peoria to Bartonville, and 13,000 volt sub-station at Bartonville. $500,000. Work will probably be done by day labor. Private plans.

**Swimming Pool — St. Louis, Mo.** — See "Buildings—Educational, Religious."

**Street Lighting System — Bakersfield, Calif.**—Plans electrolier system in business and residential districts. $50,000-$60,000. W. D. Clarke, city engr.

**Parks and Playgrounds—Berkeley, Calif.**—Defeated $900,000 bonds to purchase land and improve same for parks and playgrounds. Noted Oct. 2.

**Ice Skating Pavilion—Los Angeles, Calif.**—Winter Palace Amusement Corp., c/o W. H. Dillehunt, 709 Commercial Exch. Bldg., having plans prepared by C. R. Skelkirk, 800 Amer. Bank Bldg., 1 story, 140 x 310 ft. ice skating arena, pressed brick and plaster, Vermont Ave. $250,000. Noted May 14.

**Lighthouse—Leamington, Ont.**—Dept. Marine, Ottawa, soon takes bids 2 story lighthouse, 70x70 ft., rein.-con. cribwork pier on pile foundation, etc., here. $100,000. L. E. Cote, c/o owner, engr.

**BIDS DESIRED**

**Underground Cable—Brooklyn, N. Y.**—June 4, by R. E. Enright, police comr., Bookkeeper's Office, 240 Centre St., New York City, installing underground cable, here.

**Cable—New York, N. Y.**—June 4, by W. W. Mills, comr. Plants & Structures, Municipal Bldg., lead covered cable along Varick St., 7th and 1st Aves.

**Pier—Brooklyn, N. Y.**—June 4, by M. Cosgrove, comr. Dept. Docks. Pier A, Battery Pl., New York City, constructing Canarsie Pier, Jamaica Bay, Contr. 1858, incl. concrete pile platform, for pier and bulkhead, etc.

**Special Work—New York, N. Y.**—June 5, by Bd. Transportation, 49 Lafayette St., special work (Order 27) for Westchester Ave. yard.

**Station Finish—New York, N. Y.**—June 10, by Bd. Transportation, 49 Lafayette St., station finish for Main St. station, Route 52, Sect. 3 (Flushing Sect.).

**Core Borings—New Jersey**—June 8, by State Hy. Dept., Trenton, 2,250 lin.ft. casings to be sunk to rock through water, 250 lin.ft. diamond drill core borings in rock under water, 5,850 ft. casings sunk on land, etc., on Route 1 between Hudson Blvd., Jersey City, and Doremus Ave., Newark, Essex and Hudson Counties; adv. E. N.-R. May 28.

**Underpass—Ocala, Fla.**—June 9, at office State Rd. Dept., Tallahassee, underpass under the Seaboard Air Line R.R., on Project 553, Rd. 2, Marion Co., south of here. J. L. Cresap, highway engr.

**Dock and Approaches—Baton Rouge, La.**—June 11, by Comn. Council constructing dock and approaches, 350 tons steel, 280 cu.yd. concrete, 66,000 lin.ft. piling, etc. J. W. Billingsley, Interstate Bank Bldg., New Orleans, La., consult. engr.

**Generator — Murray, Ky.** — City, C. B. Crawford, supt., in market for 200 hp. Diesel oil engine generator unit with accessories.

**Grandstand—West Allis, Wis.**—June 9, by J. D. Jones, comr. Agriculture, Madison, rein.-con. addition to grandstand at State Fair Park. $150,000. A. Peabody, Madison, engr. Noted Feb. 19.

**Transmission Line and Distribution System—Oklahoma**—June 5, by G. C. Mitchell, city clk. of Carter, electric distribution system in Carter and 18 mi. 13,200 volt transmission line from Carter to Elk City. $25,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted May 14.

**Wharf Repairs—Baie St. Paul, Que.**—June 9, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., wharf repairs, here. $25,000.

**Pier Repairs—Kincardine, Ont.**—June 9, by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldg., Ottawa, repairs to pier, here. $30,000.

**BIDS RECEIVED**

**Borings—New York**—Bd. Transportation, 49 Lafayette St., May 22, borings along Cranberry and Clinton Sts., etc., in Brooklyn Boro, and along Van Alst, Nott and Jackson Aves., in Queens Boro, Agreement "DU," from Osborne Drilling Co., 120 Liberty St., New York City, $30,058. Noted May 14.

**Subway—New York, N. Y.**—Bd. Transportation, 49 Lafayette St., May 22, tracks, etc., for portion of 148th St. and Lenox Ave. Yard, from McElroy & Kerwin, 316 Flatbush Ave., Brooklyn, $73,915. Noted May 14.

**Heating and Ventilating—Harrisburg, Pa.**—Harrisburg School Bd., Chestnut St., heating and ventilating system in John Harris School, 25th and Market Sts., from R. T. Withers, New Castle, $140,000-$149,000. Noted Mar. 26 under "Buildings—Educational Religious."

**Swimming Pool, etc. — Wabash, Ind.** — See "Buildings—Educational, Religious."

**Stadium—Des Moines, Ia.**—Drake University, 25th and University Sts., general contract 2 story and basement, 150 x 212 ft., rein.-con. stadium, from C. Weitz Sons Co., 715 Mulberry St., $203,387.

**CONTRACTS AWARDED**

**Cement—Boston, Mass.**—Supply Dept., J. P. Rock, Supt., 200 tons asphaltic cement, to Standard Oil Co. of New York, Park Sq. Bldg., Boston, $25.20 per ton.

**Underpass, Middletown, Conn.** — New York, New Haven & Hartford R.R. Co., New Haven, underpass under bridge St., here, to Lathrop & Shea Co., Montowese, New Haven. Engrs. est. $225,000.

**Steam Heating System—New York, N. Y.**—E. J. O'Malley, comr. Pub. Markets, Municipal Bldg., steam heating system in wholesale market, storage building and power house for Bronx Municipal Terminal Market, Exterior and East 151st Sts., to Austin Eng. Co., 121 West 42nd St., $43,672. Noted May 21.

**Conduit — Baltimore, Md.** — Bd. Awards, 100,000 more or less single vitr. clay conduit, to Western Electric Co., South St., $0.1075. Noted May 21.

**Grandstand—Akron, O.**—Firestone Tire & Rubber Co., South Main St., rein.-con., grandstand, 15,000 seating capacity, to V. W. Surber, 109 North Union St. Engrs. est. $100,000. Noted May 21.

**Transmission Line—Wisconsin**—Wisconsin Gas & Electric Co., Pub. Serv. Bldg., Milwaukee, 106 mi. electrical transmission line between Appleton and Plymouth, to Hoosier Eng. Co., 41 North Capitol Ave., Indianapolis, Ind.

**Park Improvements—Minneapolis, Minn.**—Bd. Park Comrs., City Hall, to Simonson & Emstad, Plymouth Bldg., improving Chicago Ave. Field $6,290, Nicollet Field and Powderhorn Lake Park $14,505, sidewalks and steps $16,080; to Andrews Paving Co., 3343 Colfax Ave., North Minneapolis, improving Sibley Field $9,308 and curbing $14,200. Grand total $60,383. Noted Apr. 16.

**Grain Elevator—St. Joseph, Mo.**—Chicago, Burlington & Quincy R.R., 547 West Jackson St., Chicago, Ill., grain elevator, rein.-con., here, to Bernell Eng. & Constr. Co., 513 West Jackson St., Chicago, Ill. Engrs. est. $200,000.

**Fire Boat — Houston, Tex.** — Turning Basin Dist. and Navigation Dist. c/o H. L. Washburn, aud. Harris Co., Court House, steel fireboat, 125' ft. long, 277 ft. beam, 35,000 g.p.m. capacity at 150 lb. pressure, to Bethlehem Shipbuilding Corp., Harlan Plant West, Wilmington, Del., $272,000. Noted Apr. 16.

## Materials

**BIDS DESIRED**

**Iron Pipe—Steelton, Pa.**—June 3, at office H. R. Rupp, boro secy., cast iron pipe and fittings; adv. E. N.-R. May 28.

**Gravel—Bastrop, La.**—June 2, by Police Jury Morehouse Parish, 7,800 cu.yd. gravel for Road Projects 9 and 10.

**Road Oil—Madison, Wis.**—E. Bunn, city aud., taking bids 60,000 gal. asphaltic road oil for use on city streets. E. E. Parker, City Hall, engr.

**Sand, etc.—Minneapolis, Minn.**—June 2, by F. S. Gram, city purch. agt., 32,000 cu. yd. sand and 25,000 cu.yd. crushed stone or gravel, for Paving Dept. N. W. Elsberg, city engr.

**CONTRACTS AWARDED**

**Structural Steel—Minneapolis Minn.**—F. S. Gram, city purch. agt., 420 tons structural steel for new filtration plant, (now under construction), to Crown Iron Wks. Co., 1229 Tyler St., at $104 per ton. Noted May 7.

# SEARCHLIGHT SECTION

## OFFICIAL PROPOSALS

*Copy:* Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

**Rate:**
**40 Cents a Line an Insertion**

*Plans and Specifications* for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

### OFFICIAL PROPOSALS

Bids: June 17.

#### Construction, Heating, Sanitary and Electric Work

UTICA STATE HOSPITAL

Marcy, N. Y.

Sealed proposals for Construction, Heating, Sanitary and Electric Work, Single Employee's Home, Utica State Hospital, Marcy Division, Marcy, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 2 o'clock p.m. (Eastern Standard Time), Wednesday, June 17, 1925, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addrssed, and shall be accompanied by a deposit as a guarantee that bidder will enter into the contract if awarded same. Deposit shall consist of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York or money equal to 5% of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of Specifications No. 4508, 4509, 4510 and 4511. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Utica State Hospital, Marcy Division, Marcy, N. Y., at the New York Office of the Department of Architecture, 18th Floor, Fuller Building, Broadway & 23rd St.; and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained by persons or firms engaged in the line of work required at the discretion of the Architect from the Department of Architecture, Capitol, Albany N. Y., upon the deposit of a certified check, or money, in the sum of $25.00 made payable to the State of New York, for each set of Construction drawings and specifications and $10.00 for each set of Heating, Sanitary or Electric drawings and specifications, which deposit will be returned if the drawings and specifications are received in good condition by the State Architect, Sullivan W. Jones, Capitol, Albany, N. Y.

Dated: May 7, 1925.

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Bids: June 8.

#### Concrete Arch Bridge

Camden, N. J.

Sealed proposals are invited for building a three-span concrete arch bridge over Newton Creek at Champion Road, Gloucester City, County of Camden, N. J. Width is forty-nine and one-half (49½) feet by two hundred fifty-nine (259) feet overall.

Plans and specifications will be mailed to any address on receipt of one (1) dollar. Plans can be seen at the office of County Engineer in Court House, Camden, N. J.

Bids will be received, immediately opened and publicly read at the Court House Camden, N. J., on Monday, June 8th, 1925, at 11 a.m. Daylight Saving Time.

Each bid must be accompanied with a certified check in the sum of ten (10) per cent of amount of bid and drawn to order of John W. Sell, County Treasurer; there must also be a surety company bid letter.

The County reserves the right to reject any or all bids and decide as to responsibility of bidder.

FRED W. GERCKE,
Chairman Bridge Committee.
J. J. ALBERTSON,
County Engineer.

### OFFICIAL PROPOSALS

Bids: June 11.

#### Street Improvement

Jackson, Tenn.

Sealed proposals will be received by the undersigned until 10 o'clock a.m. on Thursday, June 11th, 1925, for the improvement of certain streets in the City of Jackson, Tenn., in accordance with plans, profiles and specifications prepared and on file in the office of the City Commission, approximating 43,000 sq.yds. of pavement, 27,000 lineal ft. concrete curb and gutter, 1,100 ft. storm sewer. Bids are requested on sheet asphalt, Topeka, and vertical fibre brick on a concrete base and on 6 inch, or course concrete pavement. Bids on other types may be submitted also.

Each bid must be accompanied by a certified check or bidder's bond in the amount of ten per cent of the cost of the work, computed on the basis of the bid submitted. The right is reserved to reject any or all bids. At 10 o'clock a.m. on said date, all bids will be opened and publicly read. A deposit of $5.00 is required for each set of specifications, returnable when bid is submitted or upon return of specifications.

C. E. GRIFFIN,
Commissioner of Public Utilities.
E. R. DIKE,
City Engineer.

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Bids: June 16.

#### Sewage Disposal Plant

Wheaton, Ill.

Sealed proposals for the construction of a sewage disposal plant, and appurtenant construction work, will be received by the Wheaton Sanitary District, Du Page County, Illinois, at its office, in the City Hall, in the City of Wheaton, Illinois, until June the 16th, 1925, at the hour of 8 o'clock p.m., Daylight Saving Time, at which time and place said bids will be publicly opened and declared.

The work consists of the following items to wit:

A complete Sewage Disposal Plant consisting of:

Tanks and Pump Pit.

Tank and Pumping Station Superstructure.

Piping in and around plant.

Slug Beds.

to be made in accordance with the maps, plats, plans, profiles and specifications for the same on file in the office of the clerk of said Sanitary District, Wheaton, Illinois, also at the office of Alvord, Burdick & Howson, Consulting Engineers, 8 South Dearborn Street, Chicago, Illinois, and A. L. Webster, Chief Engineer, Wheaton, Illinois.

All other information may be obtained from the above offices. Also blanks for bidders, with instructions attached thereto.

Dated: Wheaton, Illinois, May 14, A.D. 1925.

WHEATON SANITARY DISTRICT.
FRED D. EWELL,
Pres.
HUGO SCHMIDT,
Clerk.

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Bids: June 3.

#### Building Alterations

Warren, Ohio.

City of Warren, Ohio. Bids opened June 3rd. Four three story buildings, demolishing old fronts cut off seven feet and replace new fronts and other alterations in connection with street widening.

Plans may be secured by a deposit of $5.00 which will be refunded on return of same.

### OFFICIAL PROPOSALS

Bids: July 1.

#### Erection and Completion of the Alterations and Additions to the Grant Park Stadium, Chicago

SOUTH PARK COMMISSIONERS

Chicago, Ill.

Sealed proposals will be received by the South Park Commissioners, 57th Street and Cottage Grove Avenue, Chicago, Illinois, until 12:00 o'clock, noon, July 1, 1925, for doing all the work in the complete construction and erection of Alterations and Additions to the Stadium to be erected on the Lake Front between Roosevelt Road and Sixteenth Street extended, Chicago, Illinois, in accordance with drawings and specifications, entitled "Alterations and Additions to Stadium, Grant Park," prepared by Holabird & Roche, Architects. Copies of the specifications including bidding sheets and plans may be obtained at the office of the South Park Commissioners, 57th Street and Cottage Grove Avenue.

Separate bids are invited for the work to be done as specified under each of the following headings:

1—General Work.
2—Drainage, Plumbing and Gatfitting.
3—Electric Wiring.
4—Heating and Ventilating.
5—Coal and Ash Handling Machinery.
6—Grand Stands and Boxes.

Only bids from those of record in the office of the South Park Commissioners as having received specifications will be considered.

All specifications, including bidding sheets, must be identified by the stamp of the Secretary of the South Park Commissioners thereon. No bid will be considered which is not submitted on a bidding sheet received from the South Park Commissioners and identified as above described.

Two copies of specifications and one set of plans will be furnished on application to each prospective bidder upon the deposit of $50.00, which deposit will be refunded upon return of plans in an unmutilated and serviceable condition. Bidding blanks to be used will be found in the specifications. Facilities will be provided for preliminary examination of plans by bidders who do not wish to remove plans from the office. A deposit to the amount of two and one-half per cent (2½%) of the aggregate amount of the highest proposal named in the submitted bid, either in currency or certified check, payable to the South Park Commissioners, must accompany such proposal as a guarantee of the good faith of the bidder.

The successful bidder will be required to enter into a contract and give a surety bond for 25% of the amount of his contract.

All proposals must be placed in a sealed envelope, plainly marked as stated below, which envelope shall be delivered to the Secretary of the South Park Commissioners at 57th Street and Cottage Grove Avenue before the time limit stated above.

According to the bid contained therein, the envelope shall be marked as follows:

"Proposal for ..... of the alterations and additions to Stadium."

The South Park Commissioners reserve the right to reject any or all proposals.

E. J. WHITTY,
Secretary.